

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063903.D
 Acq On : 10 Oct 2019 11:56
 Operator : VA/SY
 Sample : VD1010SBS01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 10:23:59 AM

Quant Time: Oct 11 07:50:33 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	193921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	299692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	92157	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.92	113	92210	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.34	98	394290	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.63	95	127789	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27232	19.802	ug/l	88
3) Chloromethane	2.21	50	87240	20.938	ug/l	97
4) Vinyl Chloride	2.35	62	102674	23.100	ug/l	97
5) Bromomethane	2.76	94	61431	21.498	ug/l	92
6) Chloroethane	2.92	64	61725	20.998	ug/l #	88
7) Trichlorofluoromethane	3.27	101	133845	22.776	ug/l	93
8) Diethyl Ether	3.70	74	19040	20.185	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	37256	22.903	ug/l	98
10) Methyl Iodide	4.29	142	41364	18.454	ug/l	98
11) Tert butyl alcohol	5.25	59	11329	80.952	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	34911	21.481	ug/l	90
13) Acrolein	3.93	56	12562	74.498	ug/l	89
14) Allyl chloride	4.71	41	53422	19.771	ug/l	97
15) Acrylonitrile	5.43	53	43173	103.815	ug/l	99
16) Acetone	4.16	43	41548	84.526	ug/l	88
17) Carbon Disulfide	4.40	76	117491	19.887	ug/l	96
18) Methyl Acetate	4.72	43	20987	21.830	ug/l #	72
19) Methyl tert-butyl Ether	5.48	73	77833	18.494	ug/l	92
20) Methylene Chloride	4.96	84	48172	20.299	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	40664	20.099	ug/l	91
22) Diisopropyl ether	6.37	45	104367	18.913	ug/l #	90
23) Vinyl Acetate	6.31	43	321570	97.955	ug/l	98
24) 1,1-Dichloroethane	6.27	63	68229	20.073	ug/l #	94
25) 2-Butanone	7.22	43	56082	96.273	ug/l	96
26) 2,2-Dichloropropane	7.20	77	62732	20.402	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	43200	18.865	ug/l	92
28) Bromochloromethane	7.54	49	20386	17.051	ug/l	96
29) Tetrahydrofuran	7.57	42	31855	93.688	ug/l	99
30) Chloroform	7.71	83	71870	19.467	ug/l	91
31) Cyclohexane	7.98	56	67274	21.677	ug/l	87
32) 1,1,1-Trichloroethane	7.90	97	66299	20.935	ug/l	97
36) 1,1-Dichloropropene	8.11	75	60367	21.262	ug/l	97
37) Ethyl Acetate	7.30	43	20626	15.353	ug/l	96
38) Carbon Tetrachloride	8.09	117	59759	20.828	ug/l	89

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Manual Integrations
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MMDadoda
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Quant Time: Oct 11 07:50:33 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)
39) Methylcyclohexane	9.36	83	73933	21.178	ug/l	94
40) Benzene	8.36	78	166329	20.443	ug/l	92
41) Methacrylonitrile	7.53	41	15188	23.073	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	46364	19.699	ug/l	99
43) Isopropyl Acetate	8.46	43	44718	18.781	ug/l	97
44) Trichloroethene	9.11	130	48074	20.490	ug/l	95
45) 1,2-Dichloropropane	9.39	63	39044	19.605	ug/l	89
46) Dibromomethane	9.48	93	21129	18.629	ug/l	90
47) Bromodichloromethane	9.67	83	54983	18.829	ug/l	97
48) Methyl methacrylate	9.46	41	19870	17.417	ug/l	92
49) 1,4-Dioxane	9.47	88	5658	365.466	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	117351	95.030	ug/l	94
52) Toluene	10.40	92	118422	21.202	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	53199	18.670	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	66514	20.278	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32760	20.457	ug/l #	86
56) Ethyl methacrylate	10.67	69	36805	18.149	ug/l	92
57) 1,3-Dichloropropane	10.95	76	56079	20.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	76670	87.955	ug/l	99
59) 2-Hexanone	10.99	43	83324	93.279	ug/l	100
60) Dibromochloromethane	11.14	129	38980	18.696	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31261	20.136	ug/l	100
64) Tetrachloroethene	10.88	164	43834	21.425	ug/l	95
65) Chlorobenzene	11.67	112	126453	21.010	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	45320	20.435	ug/l	96
67) Ethyl Benzene	11.74	91	227877	20.997	ug/l	99
68) m/p-Xylenes	11.86	106	182272	43.513	ug/l	97
69) o-Xylene	12.18	106	79892	19.918	ug/l	97
70) Styrene	12.20	104	139824	20.592	ug/l	98
71) Bromoform	12.36	173	22151	18.611	ug/l #	92
73) Isopropylbenzene	12.48	105	223793	21.039	ug/l	99
74) N-amyl acetate	12.29	43	41986	18.334	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	35966	19.431	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	24465m	23.085	ug/l	
77) Bromobenzene	12.76	156	53970	20.365	ug/l	99
78) n-propylbenzene	12.82	91	276300	22.130	ug/l	100
79) 2-Chlorotoluene	12.91	91	145737	21.169	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	189605	21.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11904	19.877	ug/l	98
82) 4-Chlorotoluene	13.01	91	151140	20.695	ug/l	99
83) tert-Butylbenzene	13.23	119	161515	20.451	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	188435	20.597	ug/l	99
85) sec-Butylbenzene	13.40	105	231672	21.721	ug/l	100
86) p-Isopropyltoluene	13.52	119	215858	21.388	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	104887	20.031	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	108658	21.034	ug/l	97
89) n-Butylbenzene	13.84	91	207511	22.089	ug/l	98
90) Hexachloroethane	14.11	117	38355	21.130	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	92755	20.555	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5645	18.059	ug/l	89

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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	66443	19.082	ug/l	99
94) Hexachlorobutadiene	15.27	225	40612	21.136	ug/l	95
95) Naphthalene	15.40	128	113085	19.323	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	56657	18.860	ug/l	97

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

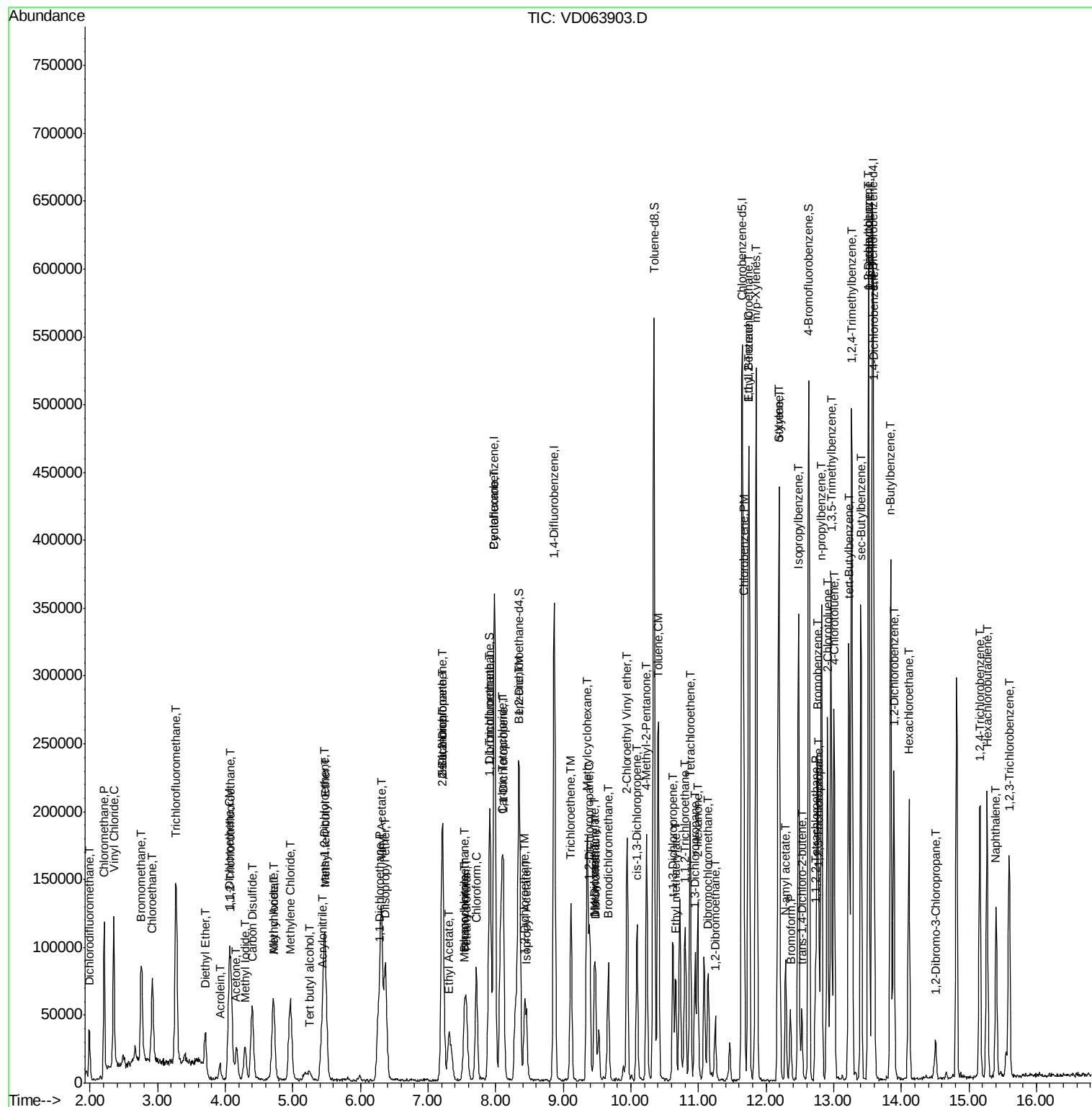
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Data File : VD063903.D
Acq On : 10 Oct 2019 11:56
Operator : VA/SY
Sample : VD1010SBS01
Misc : 5.00G/5ml/MSVOA D/SOIL
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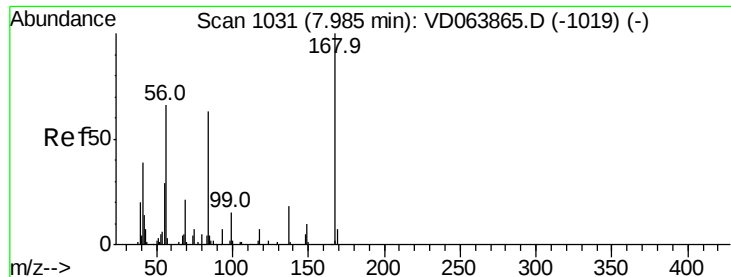
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
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: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:168 Resp: 193921

Ion Ratio Lower Upper

168 100

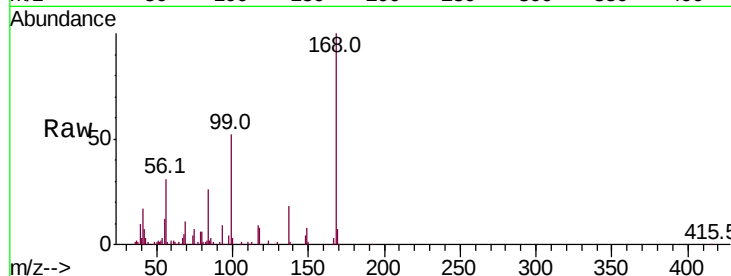
99 51.3 43.0 64.4

Manual Integrations

APPROVED

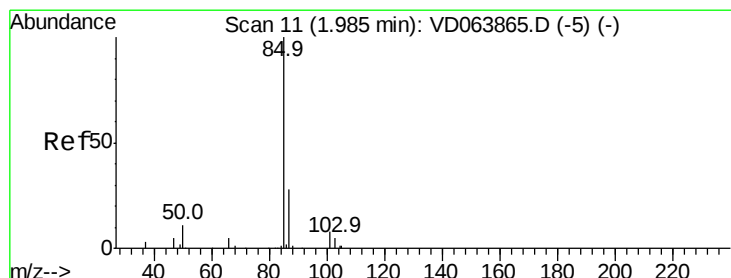
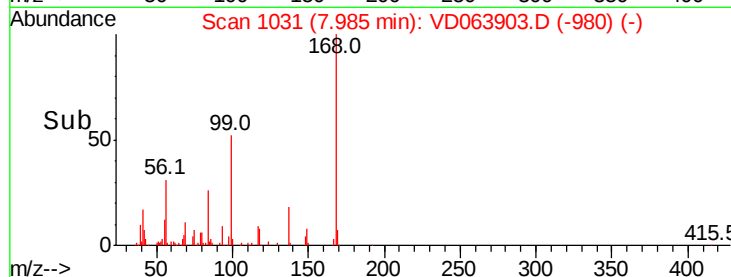
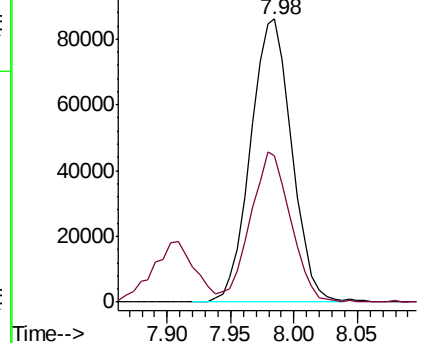
MMDadoda

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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: 19.802 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063903.D

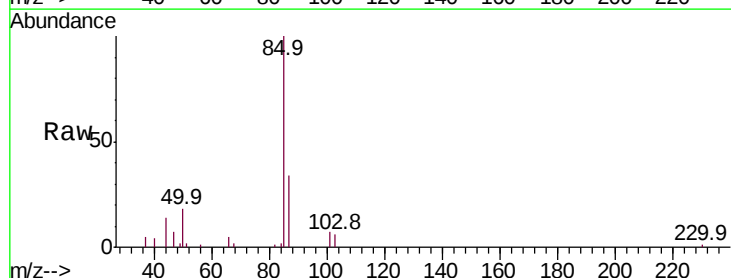
Acq: 10 Oct 2019 11:56

Tgt Ion: 85 Resp: 27232

Ion Ratio Lower Upper

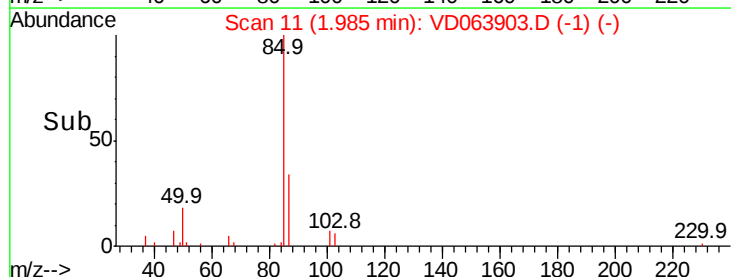
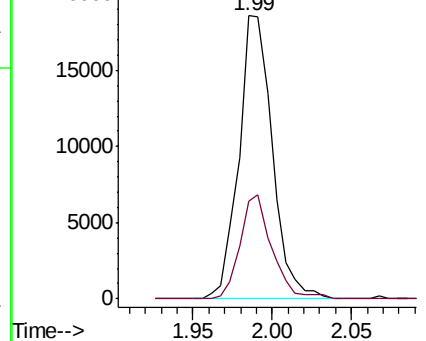
85 100

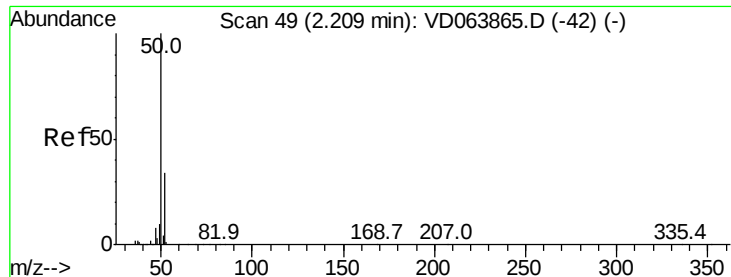
87 34.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.938 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 50 Resp: 87240

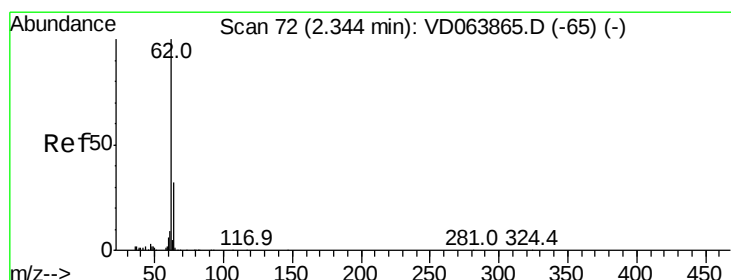
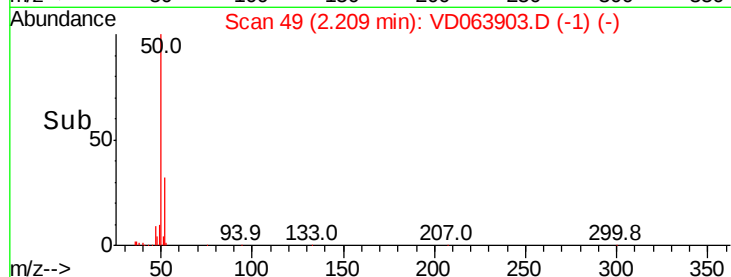
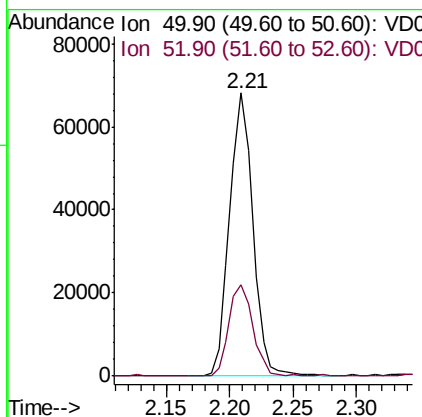
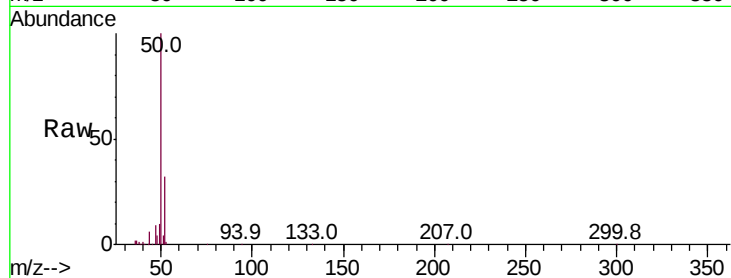
Ion Ratio Lower Upper

50 100

52 32.4 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.100 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063903.D

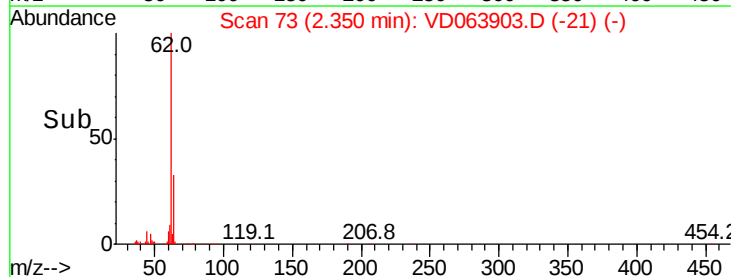
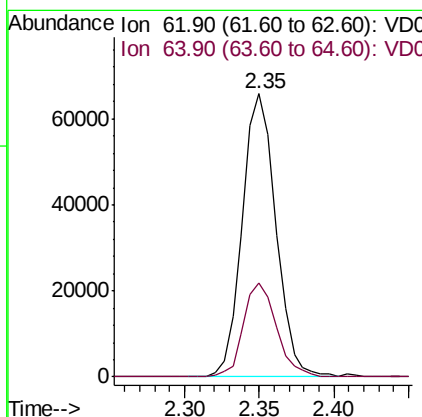
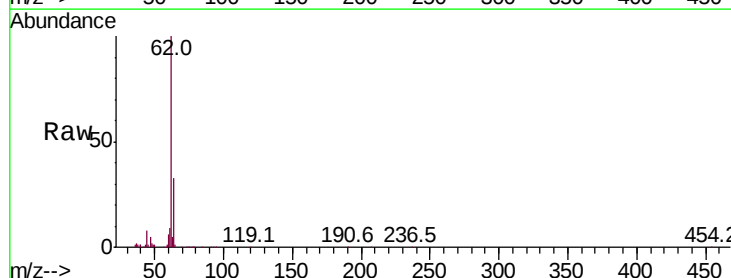
Acq: 10 Oct 2019 11:56

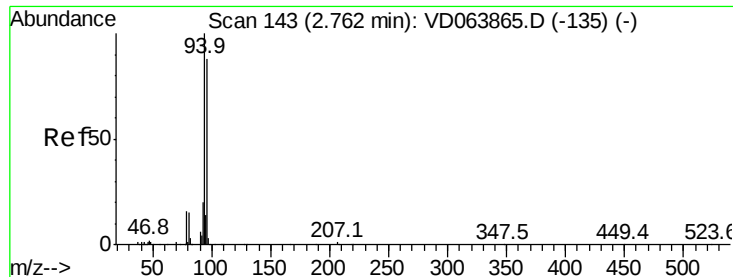
Tgt Ion: 62 Resp: 102674

Ion Ratio Lower Upper

62 100

64 33.3 25.4 38.0





#5

Bromomethane

Concen: 21.498 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

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VD1010SBS01

Tot Ion: 94 Resp: 61431

Ion Ratio Lower Upper

94 100

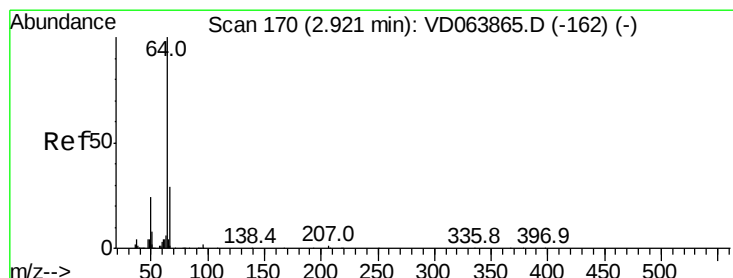
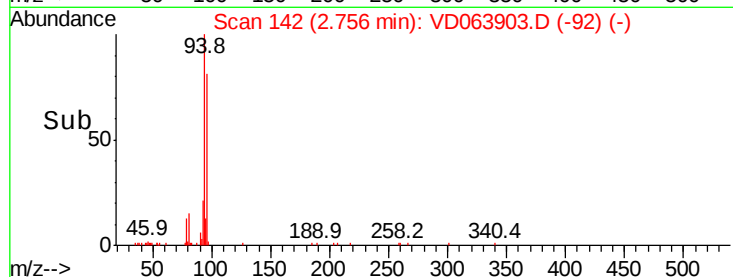
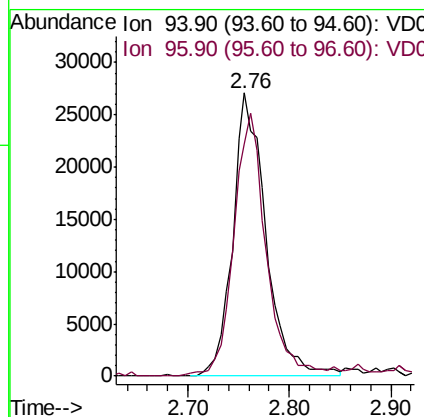
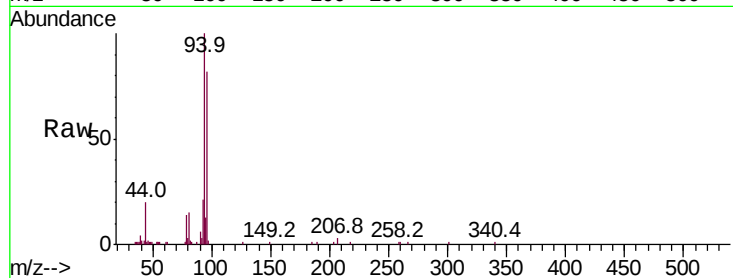
96 80.8 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 20.998 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063903.D

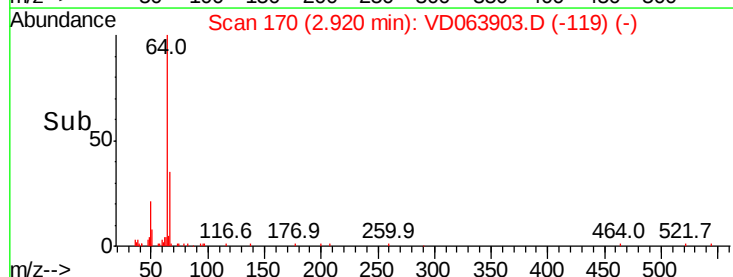
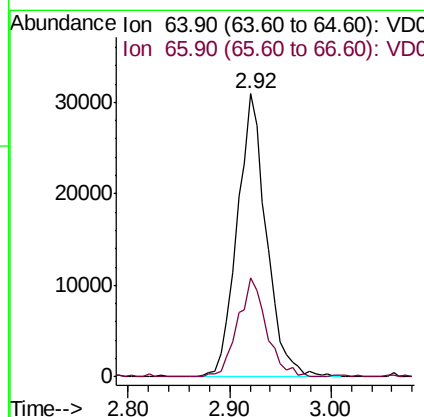
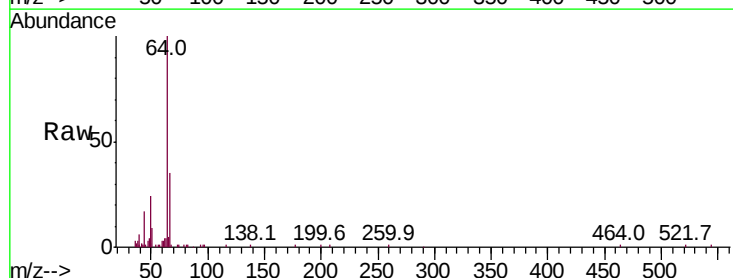
Acq: 10 Oct 2019 11:56

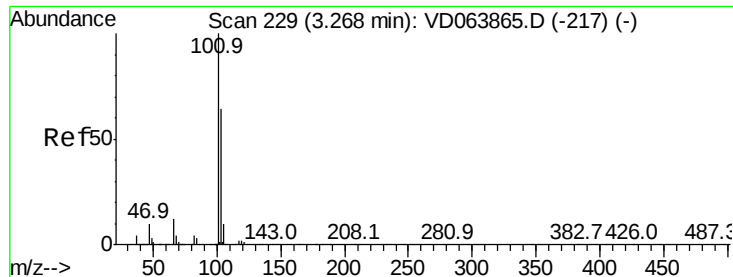
Tgt Ion: 64 Resp: 61725

Ion Ratio Lower Upper

64 100

66 35.1 23.0 34.4#





#7

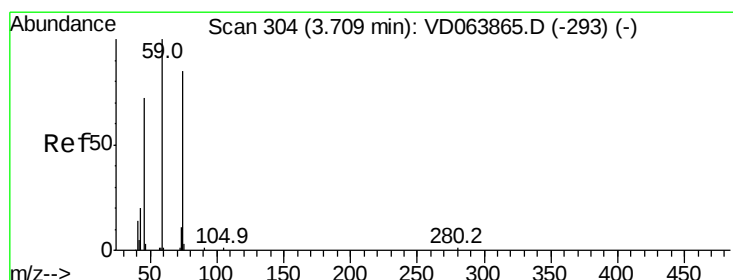
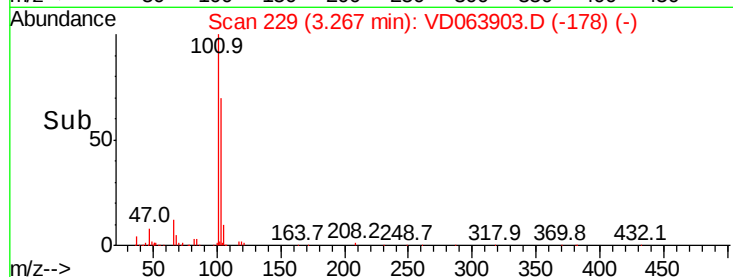
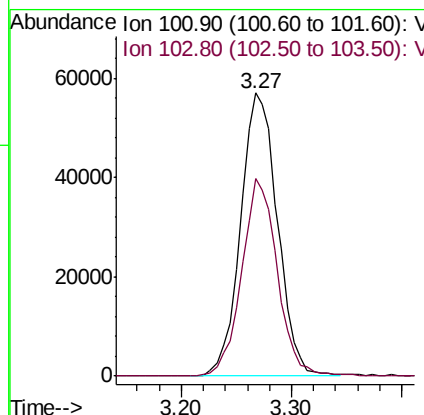
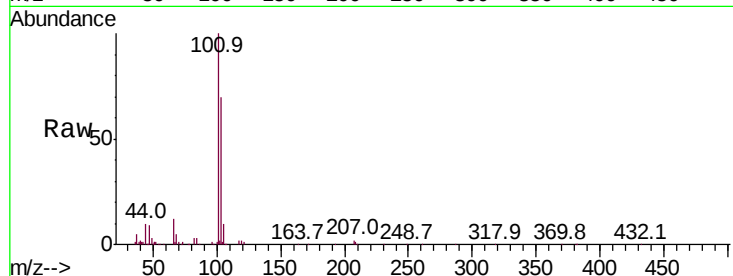
Trichlorofluoromethane
Concen: 22.776 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.7	51.1	76.7

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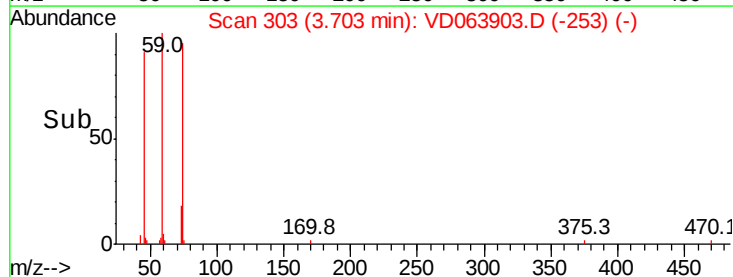
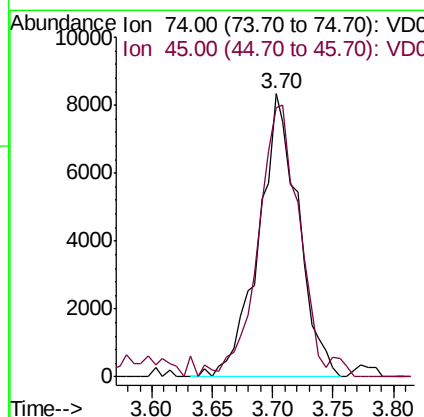
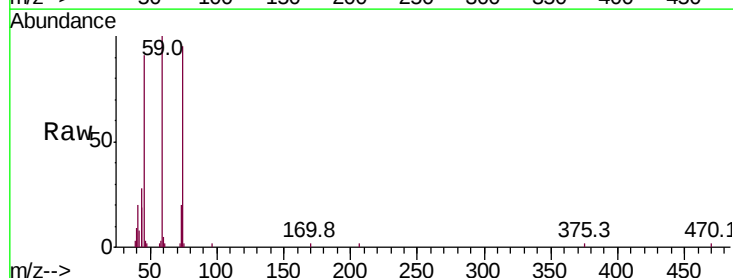
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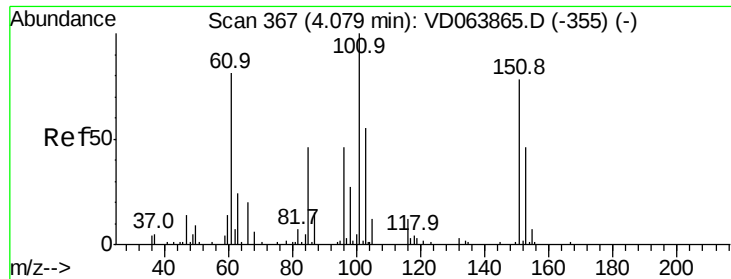


#8

Diethyl Ether
Concen: 20.185 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.903 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

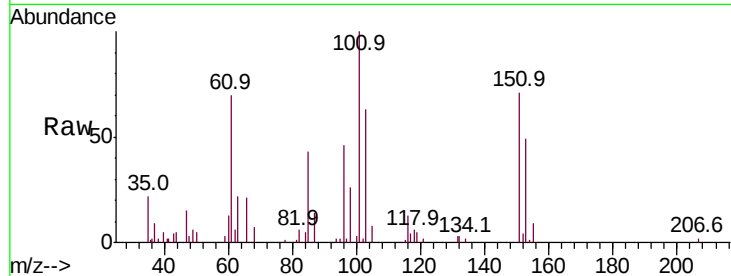
ClientSampleId :

VD1010SBS01

Tot Ion:	101	Resp:	37256
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.5	56.3
151	80.4	65.5	98.3

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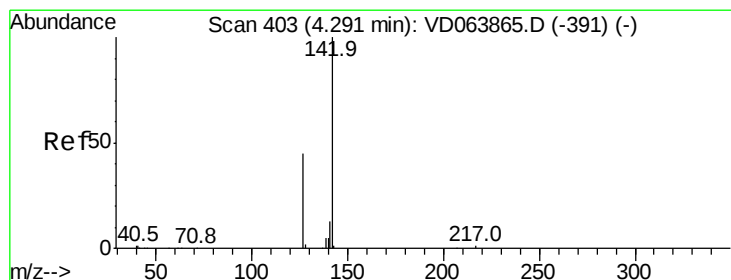
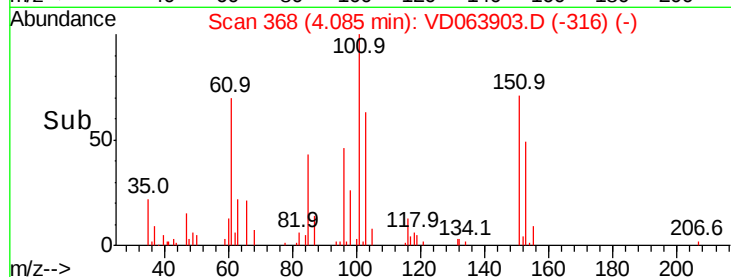
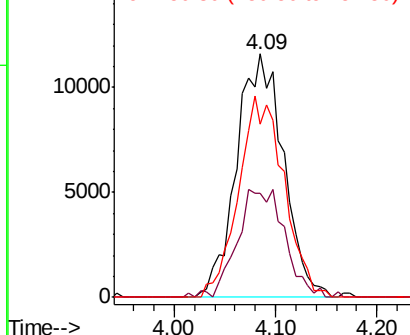


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.454 ug/l

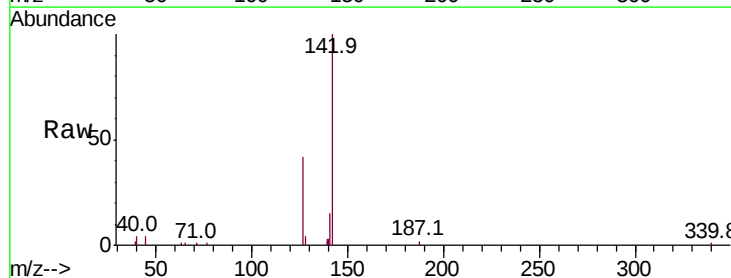
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:	142	Resp:	41364
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.3	52.9
141	15.8	12.2	18.2

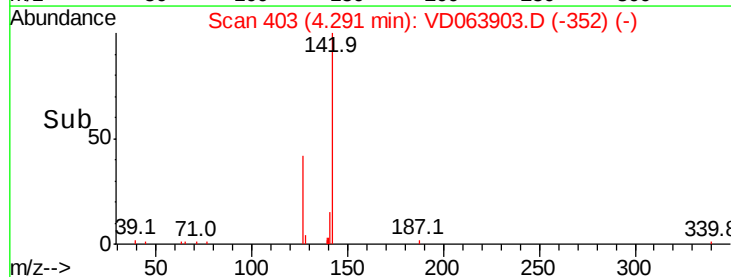
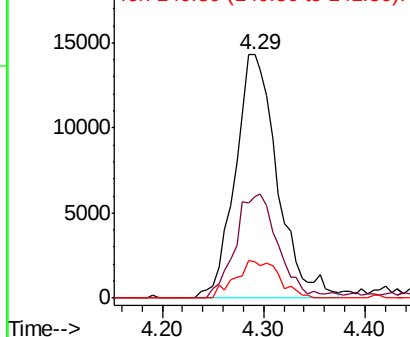


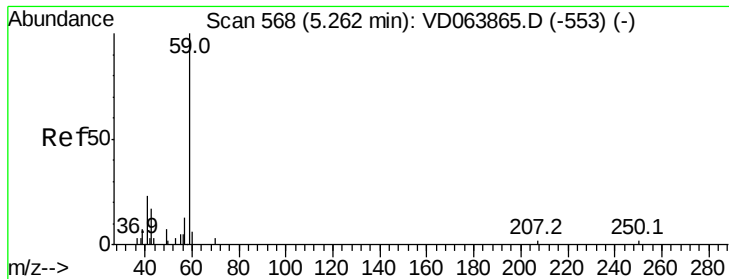
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

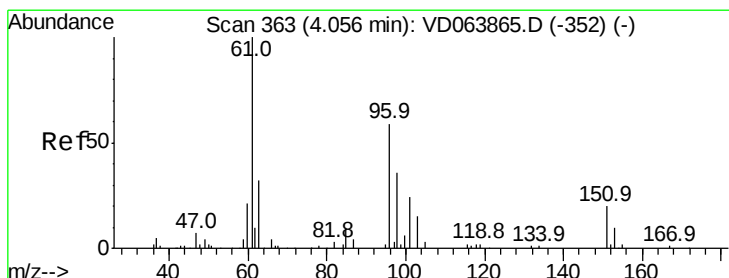
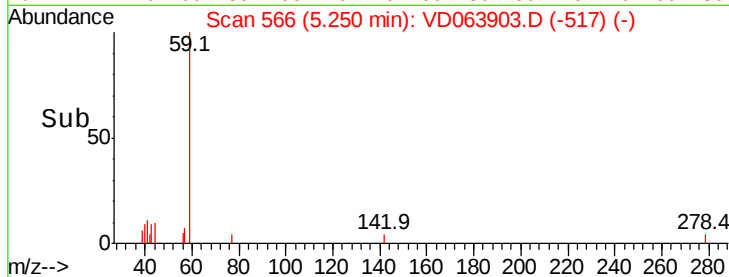
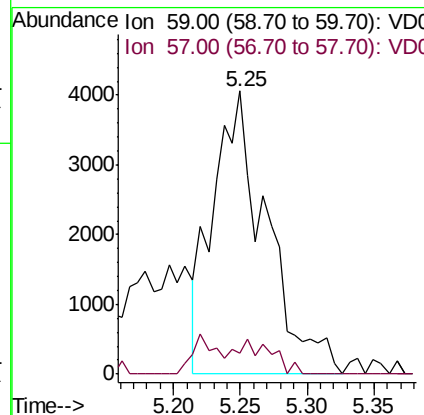
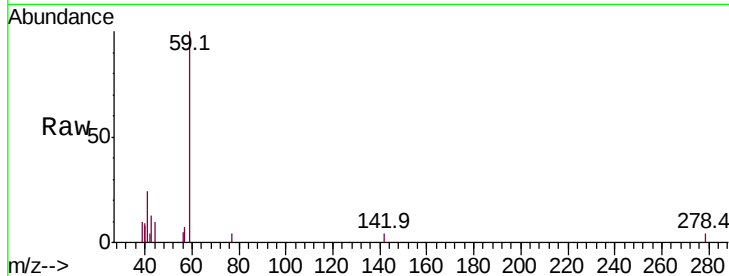
Tert butyl alcohol
 Concen: 80.952 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.8	13.2#

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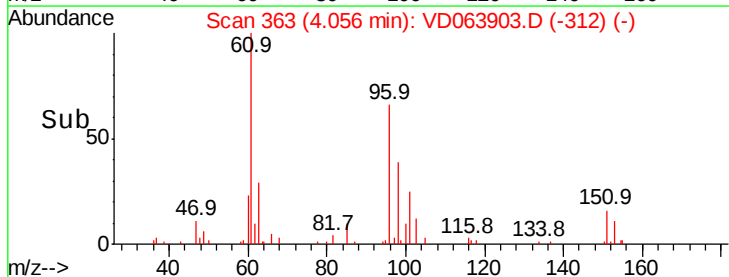
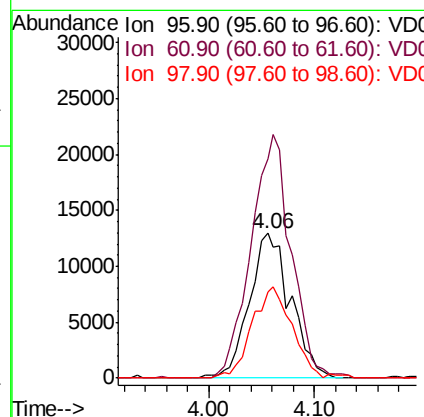
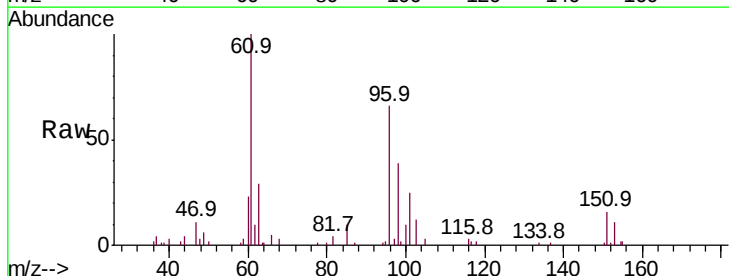
MMDadoda
 10/11/2019 10:23:59 AM

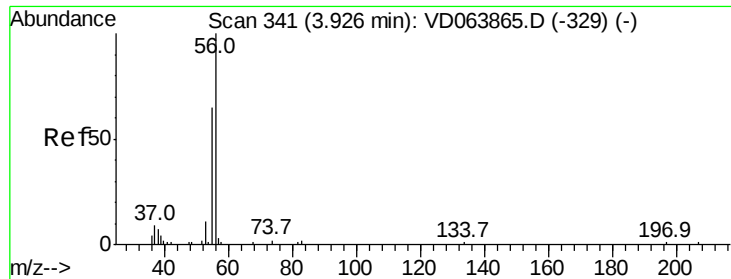


#12

1,1-Dichloroethene
 Concen: 21.481 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	135.6	203.4
98	59.6	49.2	73.8





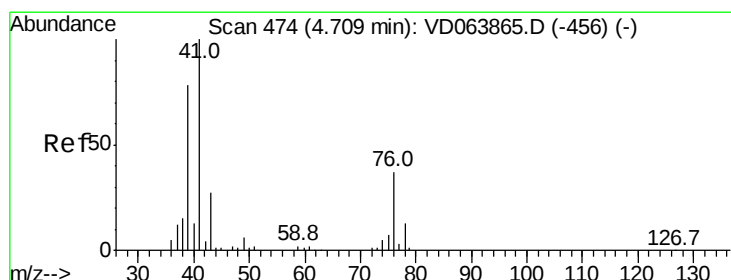
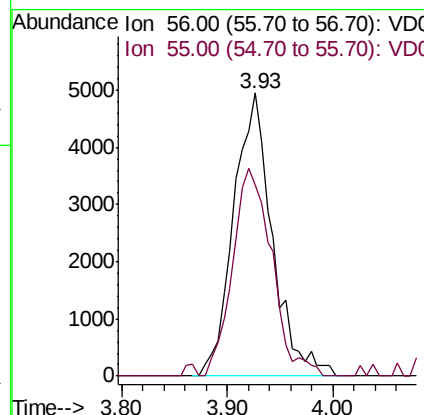
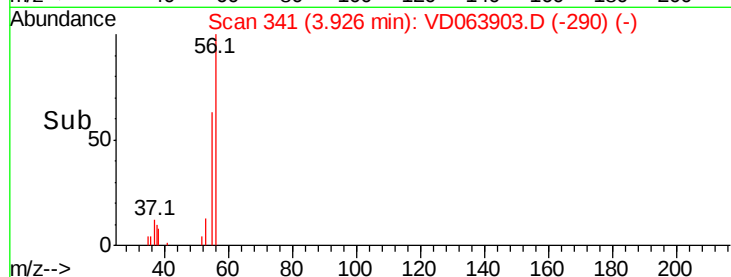
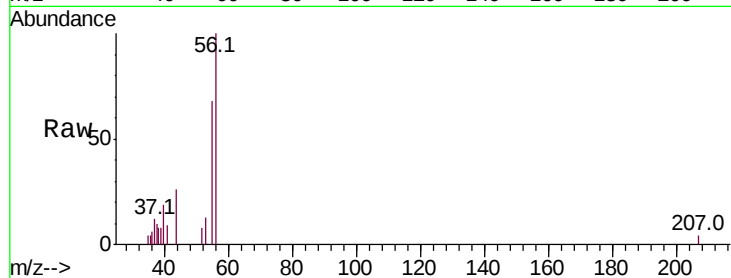
#13
Acrolein
Concen: 74.498 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 56 Resp: 12562
Ion Ratio Lower Upper
56 100
55 74.8 53.0 79.6

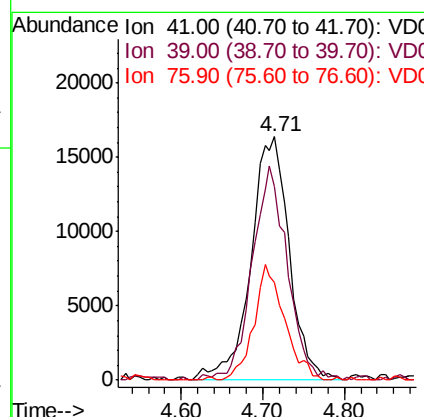
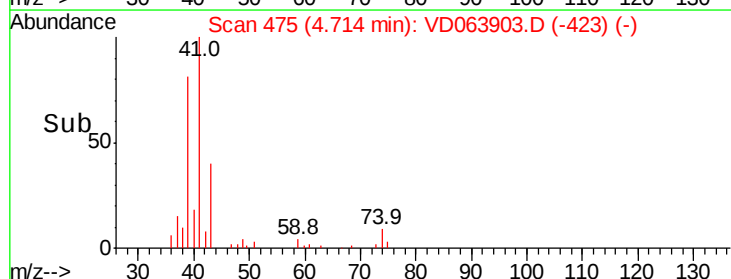
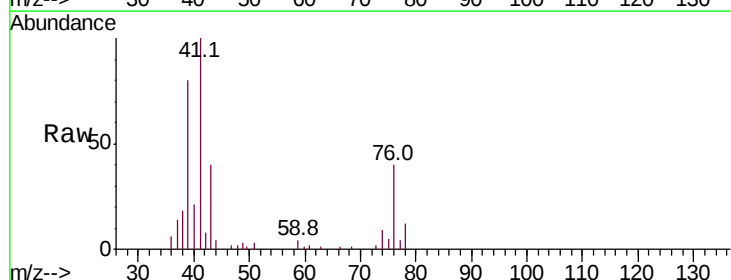
Manual Integrations
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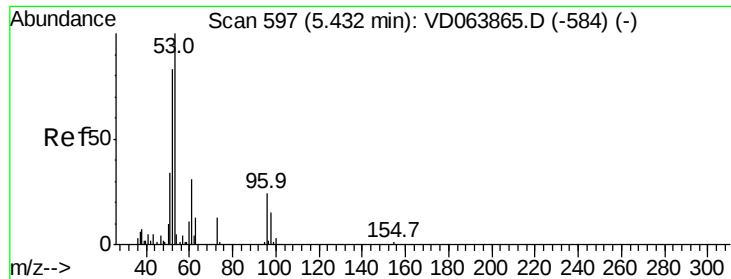
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#14
Allyl chloride
Concen: 19.771 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 41 Resp: 53422
Ion Ratio Lower Upper
41 100
39 80.8 61.8 92.6
76 38.0 31.3 46.9





#15

Acrylonitrile

Concen: 103.815 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

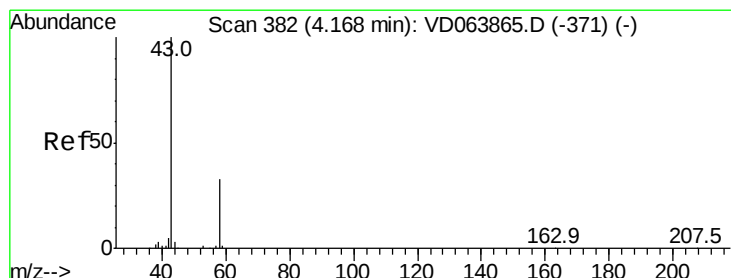
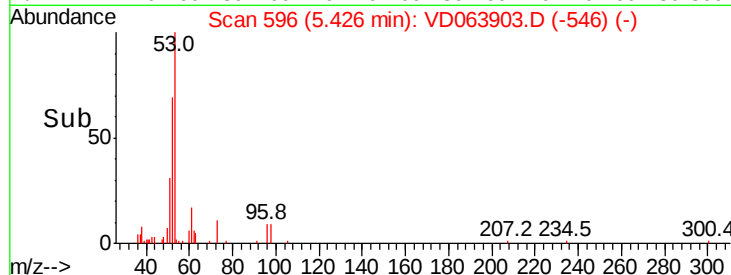
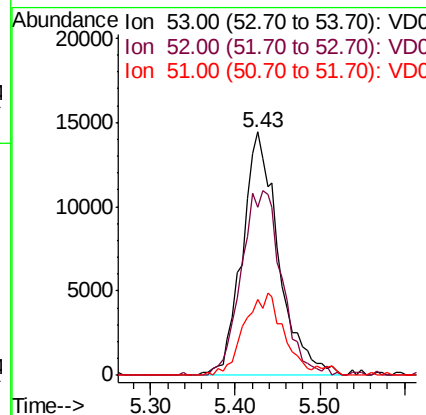
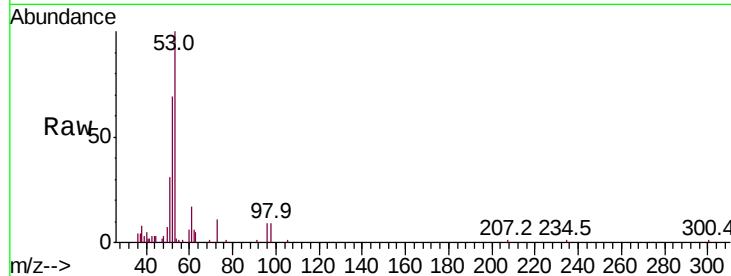
ClientSampleId :

VD1010SBS01

Tot Ion:	53	Resp:	43173
Ion	Ratio	Lower	Upper
53	100		
52	84.6	67.3	100.9
51	36.3	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 84.526 ug/l

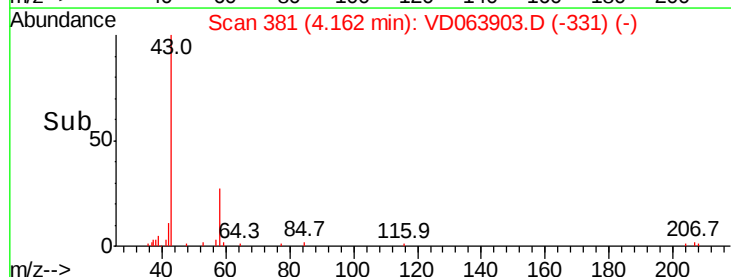
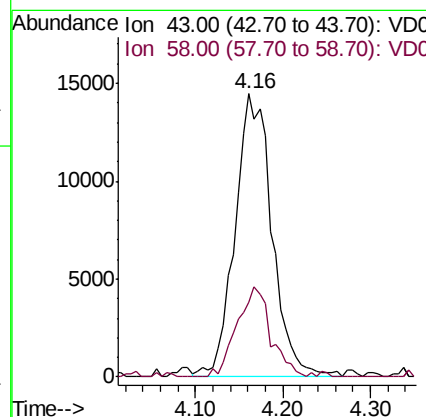
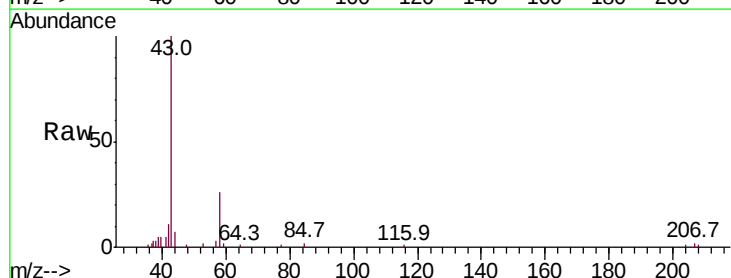
RT: 4.16 min Scan# 381

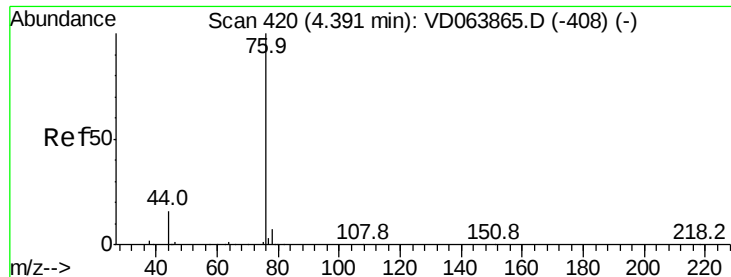
Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:	43	Resp:	41548
Ion	Ratio	Lower	Upper
43	100		
58	26.3	26.2	39.4





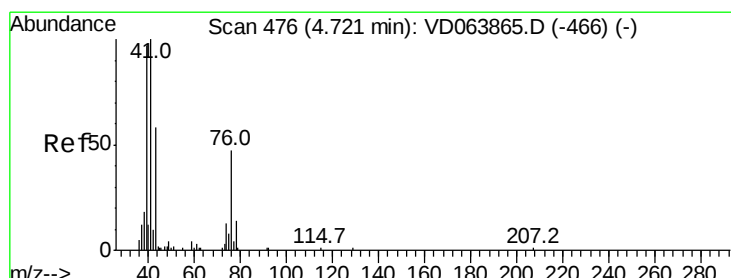
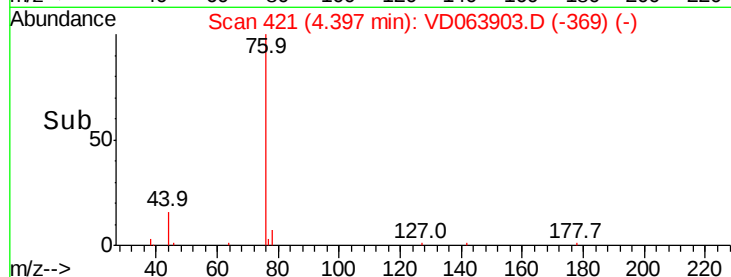
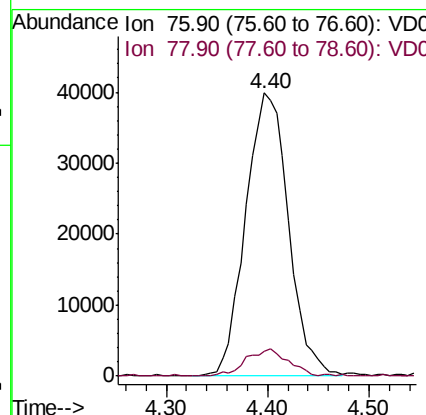
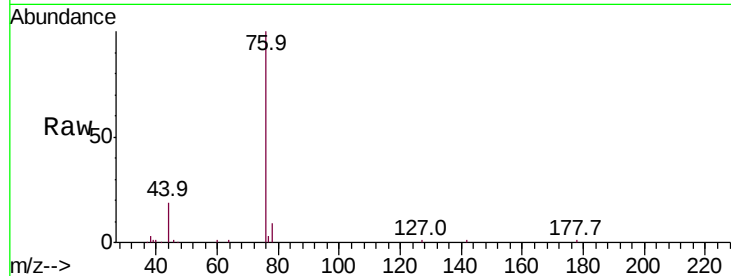
#17
Carbon Disulfide
Concen: 19.887 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 76 Resp: 117491
Ion Ratio Lower Upper
76 100
78 8.7 5.8 8.8

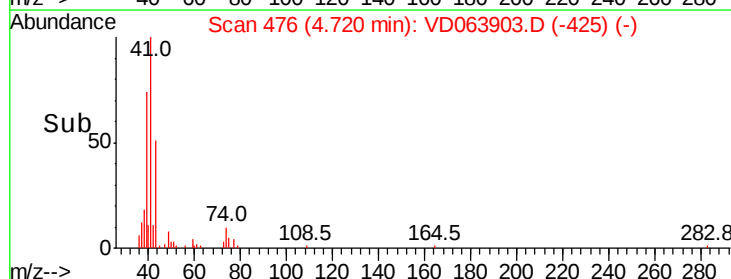
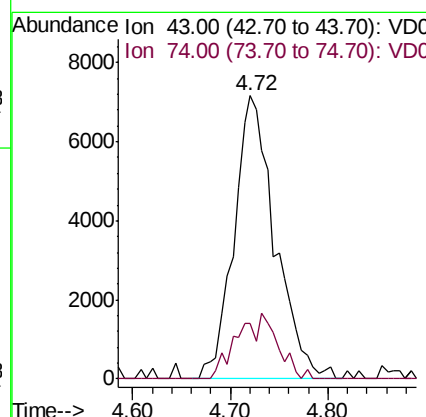
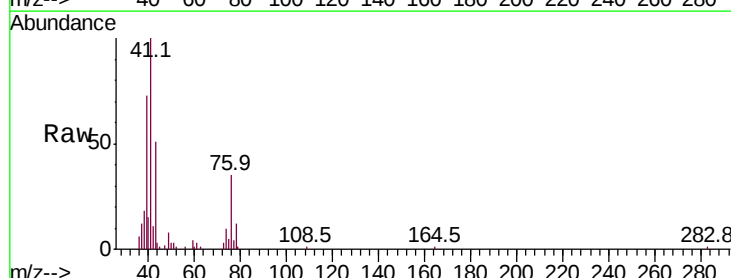
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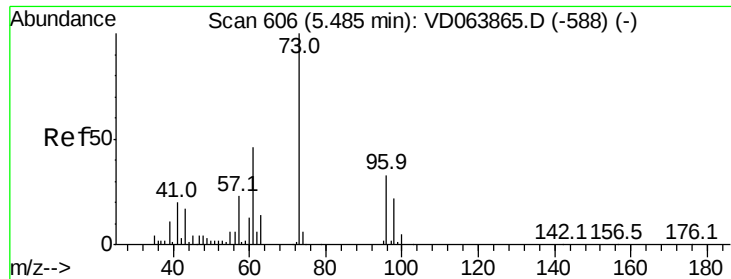
MMDadoda
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#18
Methyl Acetate
Concen: 21.830 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 43 Resp: 20987
Ion Ratio Lower Upper
43 100
74 12.0 20.8 31.2#





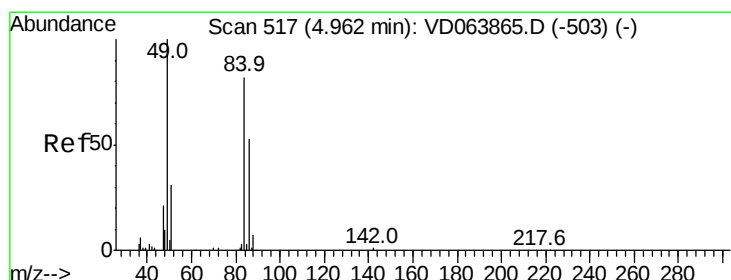
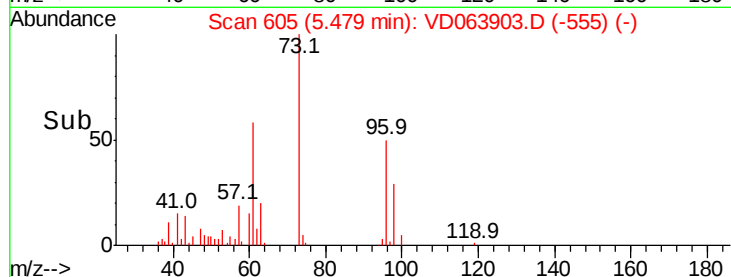
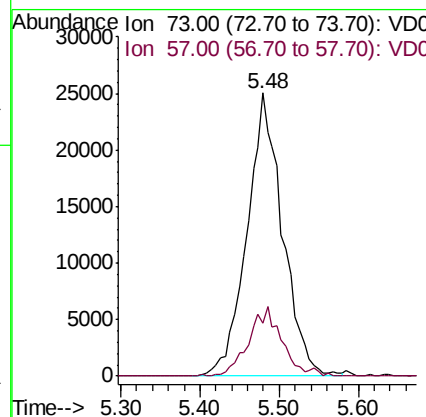
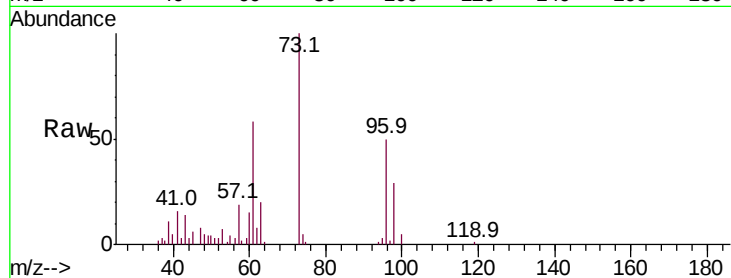
#19
Methyl tert-butyl Ether
Concen: 18.494 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	18.1	27.1

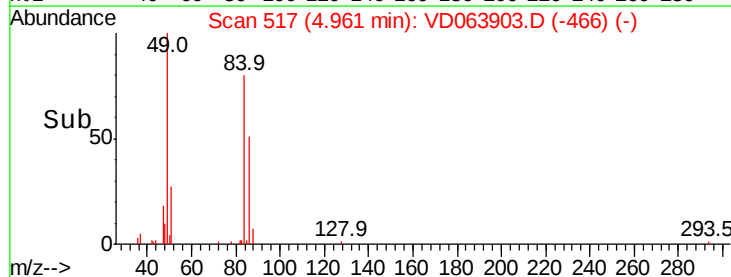
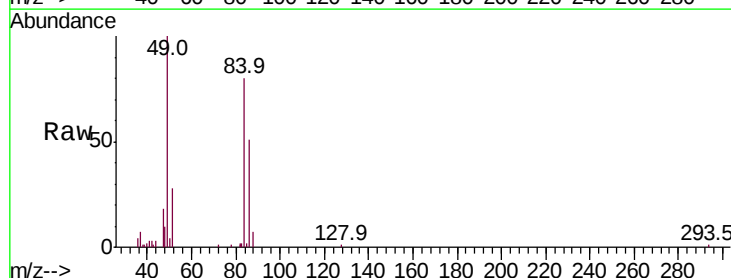
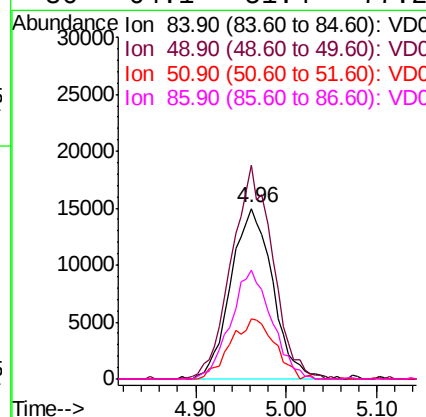
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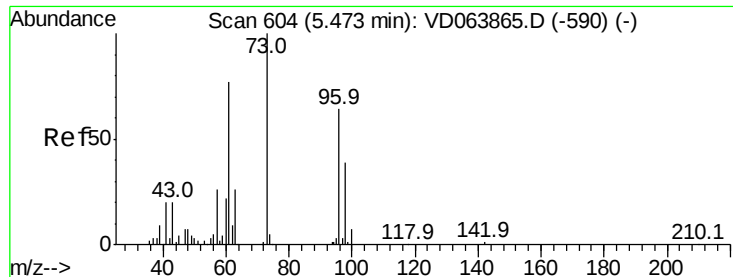
MMDadoda
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#20
Methylene Chloride
Concen: 20.299 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	97.3	145.9
51	35.5	30.1	45.1
86	64.1	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 20.099 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

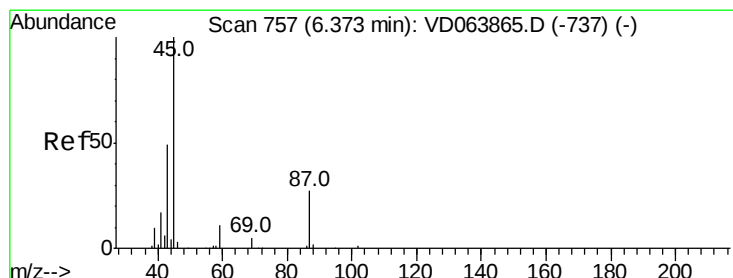
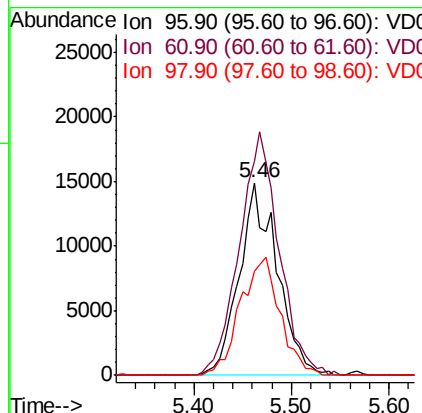
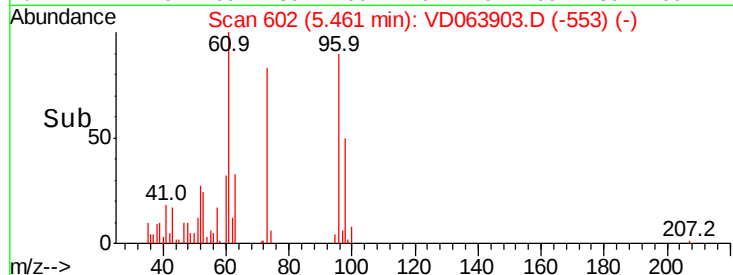
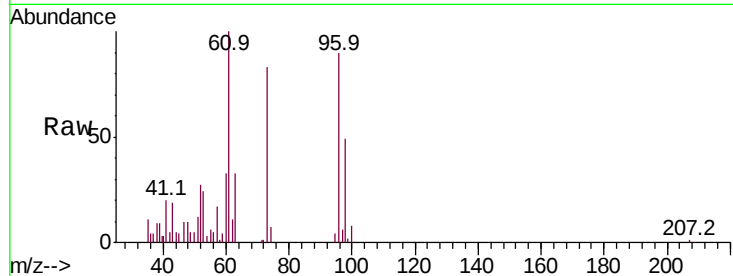
ClientSampleId :

VD1010SBS01

Tot Ion:	96	Resp:	40664
Ion	Ratio	Lower	Upper
96	100		
61	110.7	96.6	145.0
98	54.2	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.913 ug/l

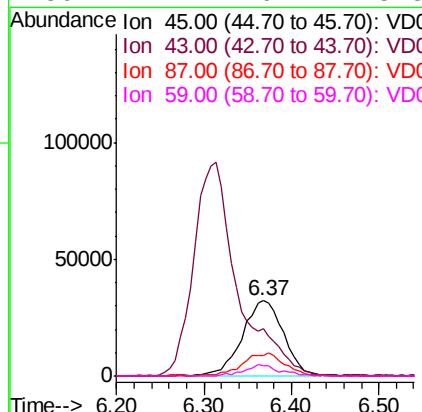
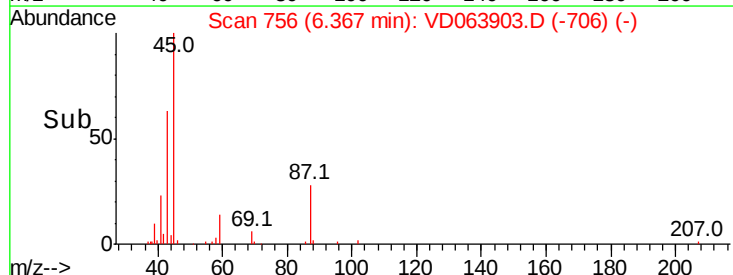
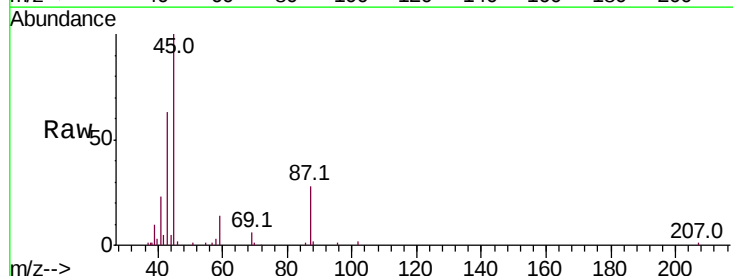
RT: 6.37 min Scan# 756

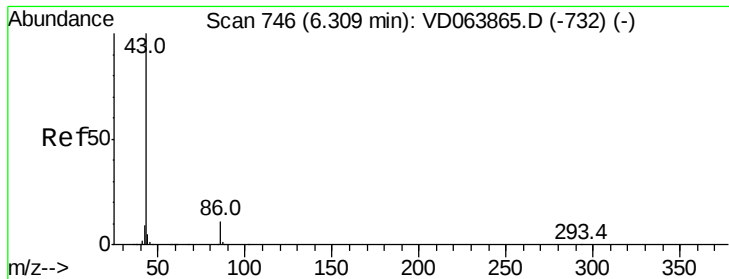
Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:	45	Resp:	104367
Ion	Ratio	Lower	Upper
45	100		
43	62.3	41.2	61.8#
87	28.1	22.2	33.4
59	14.2	9.2	13.8#





#23

Vinyl Acetate

Concen: 97.955 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleID :

VD1010SBS01

Tot Ion: 43 Resp: 321570

Ion Ratio Lower Upper

43 100

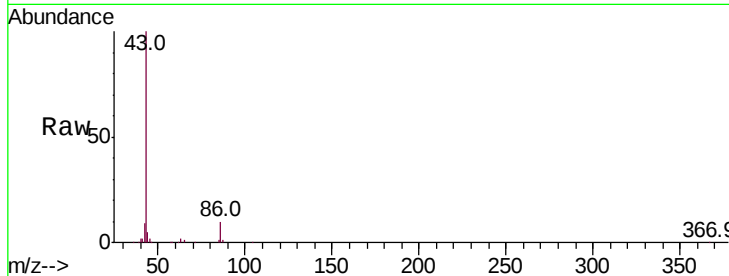
86 10.4 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

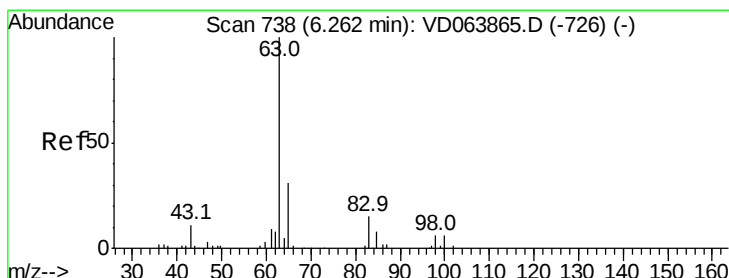
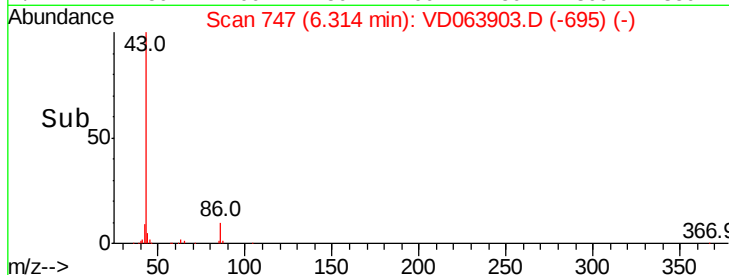
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.073 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

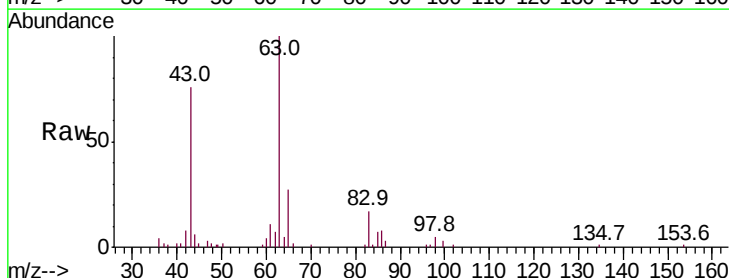
Tgt Ion: 63 Resp: 68229

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.4

100 2.7 3.0 9.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

25000

20000

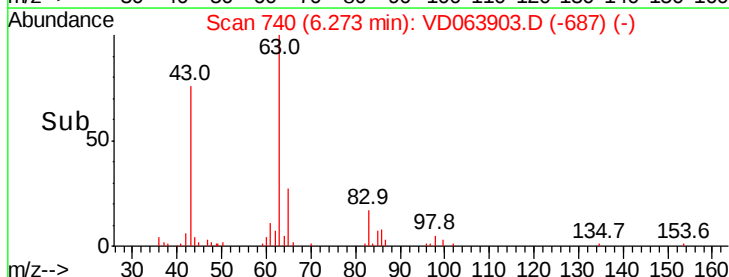
15000

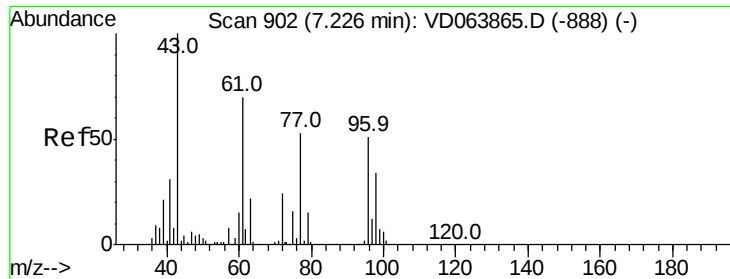
10000

5000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 96.273 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 56082

Ion Ratio Lower Upper

43 100

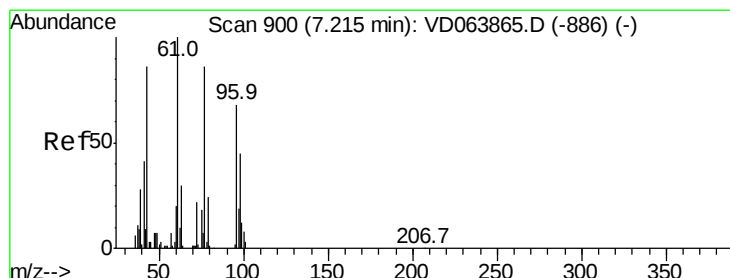
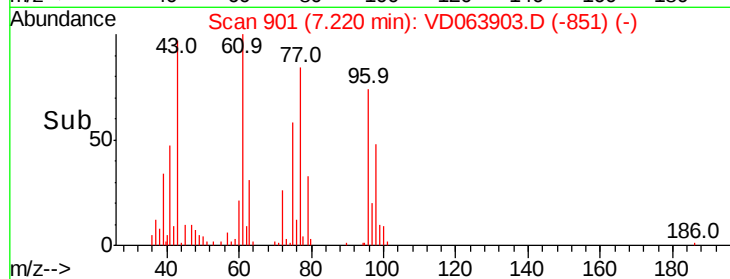
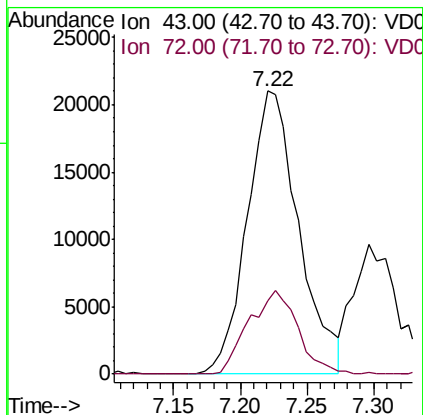
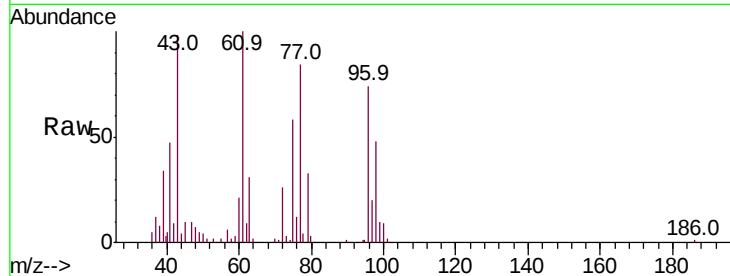
72 26.0 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 20.402 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063903.D

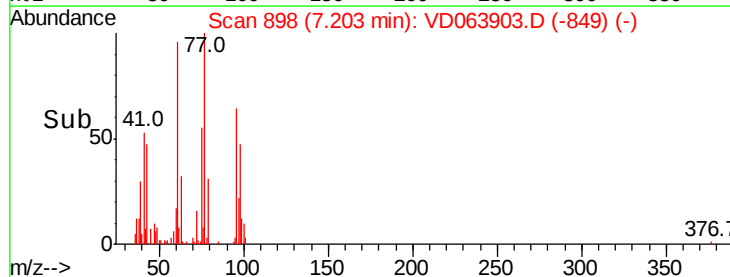
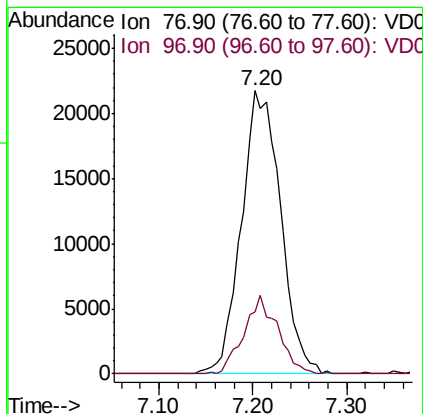
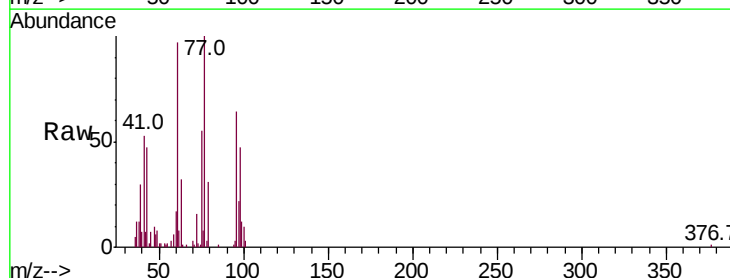
Acq: 10 Oct 2019 11:56

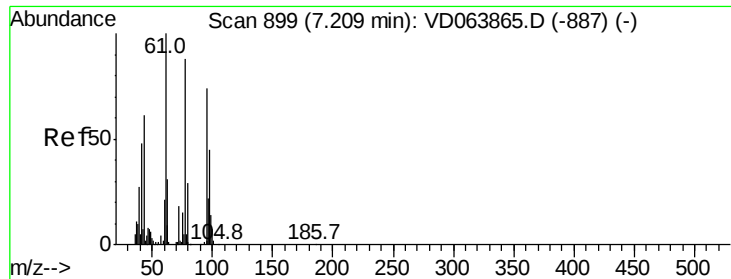
Tgt Ion: 77 Resp: 62732

Ion Ratio Lower Upper

77 100

97 23.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.865 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

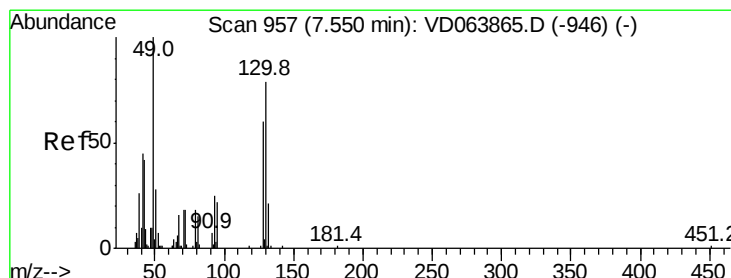
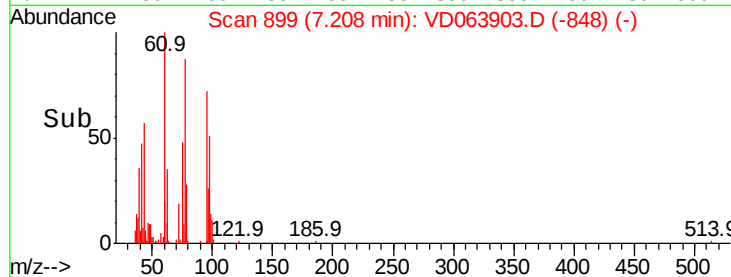
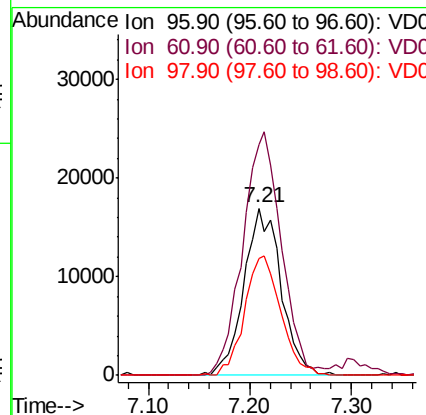
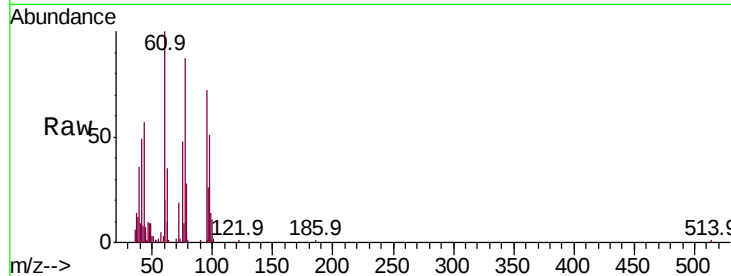
ClientSampleId :

VD1010SBS01

Tot Ion:	96	Resp:	43200
Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	280.0
98	69.4	0.0	130.4

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#28

Bromochloromethane

Concen: 17.051 ug/l

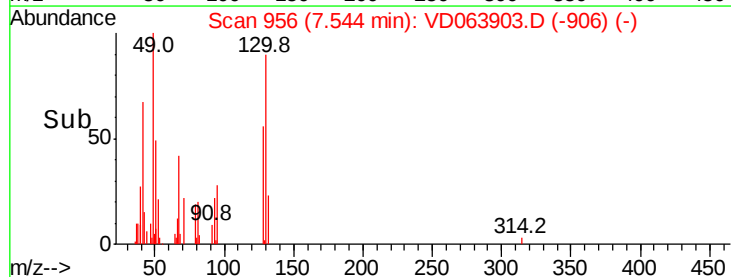
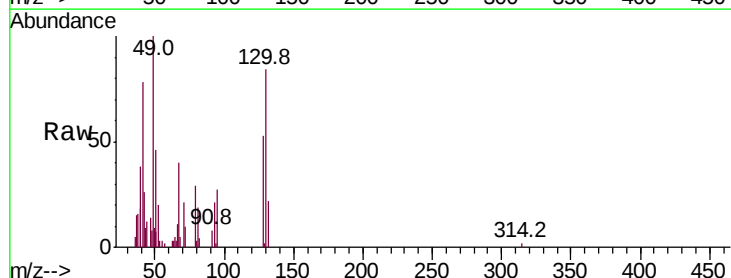
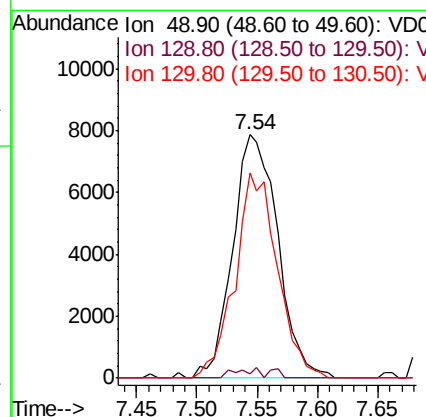
RT: 7.54 min Scan# 956

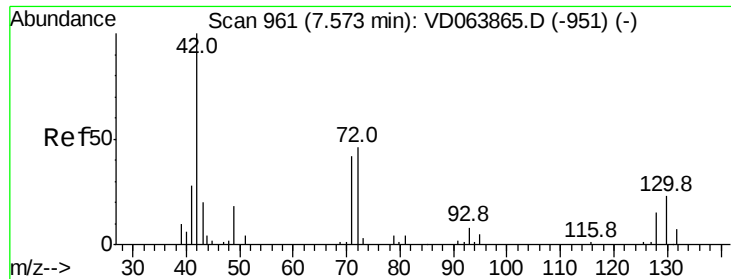
Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:	49	Resp:	20386
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	79.4	66.8	100.2





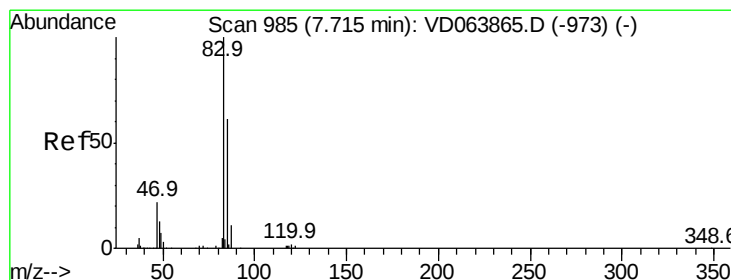
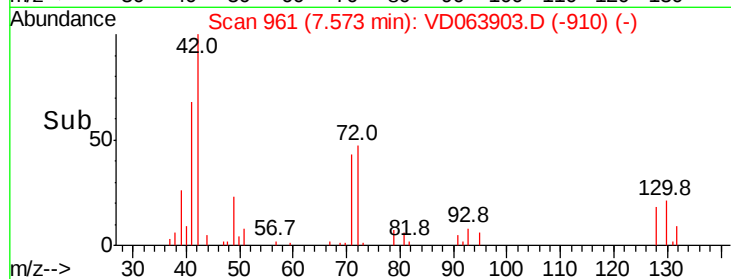
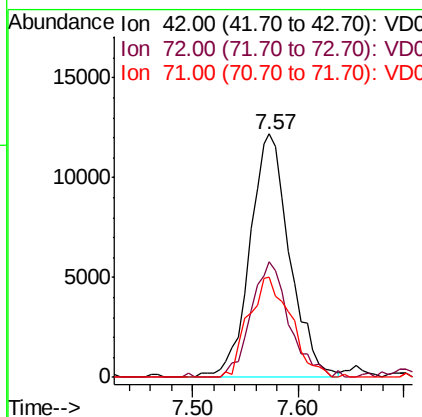
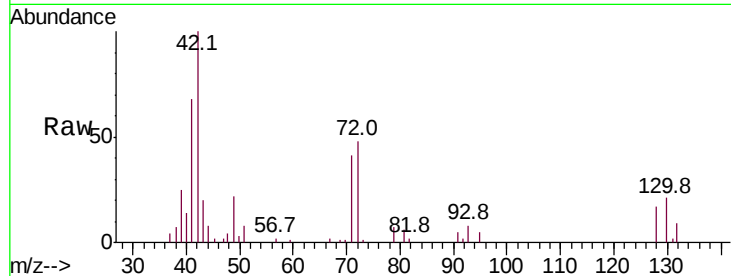
#29
Tetrahydrofuran
Concen: 93.688 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.6	56.4
71	43.3	35.0	52.6

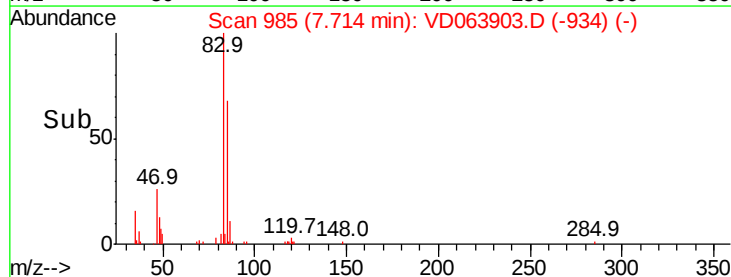
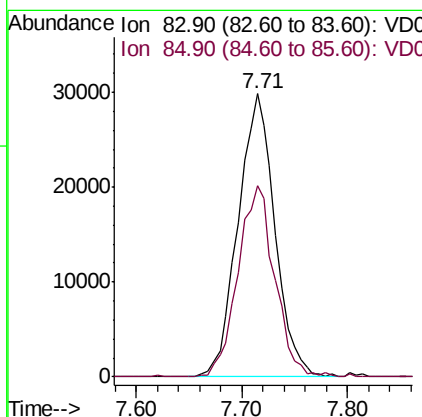
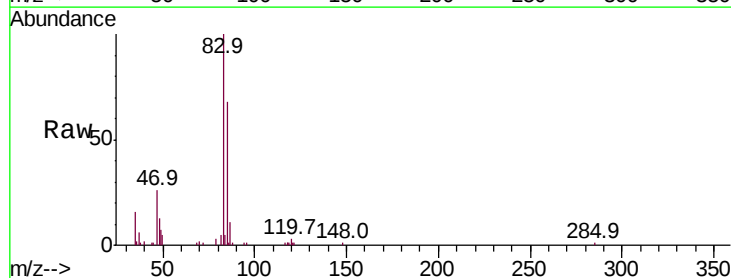
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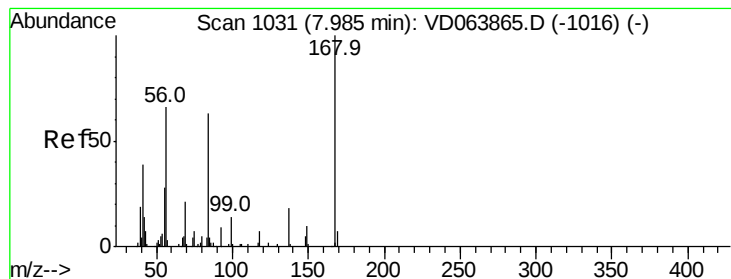
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#30
Chloroform
Concen: 19.467 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	48.9	73.3





#31

Cvclohexane

Concen: 21.677 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 56 Resp: 67274

Ion Ratio Lower Upper

56 100

69 35.9 25.0 37.4

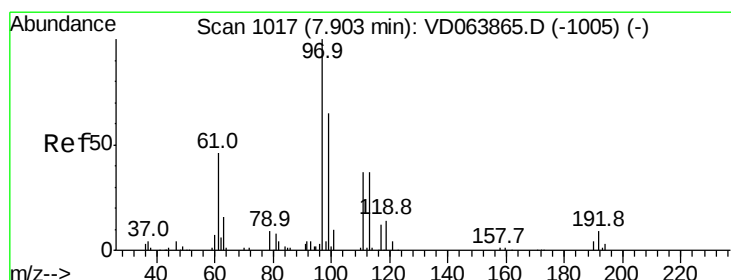
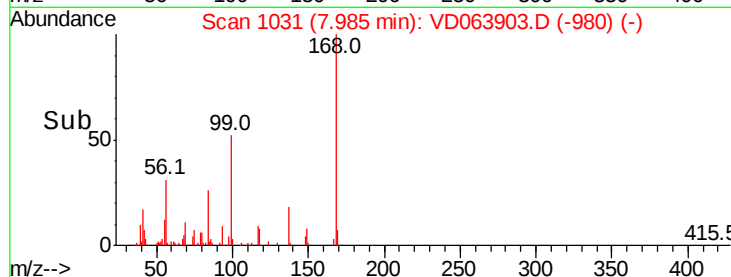
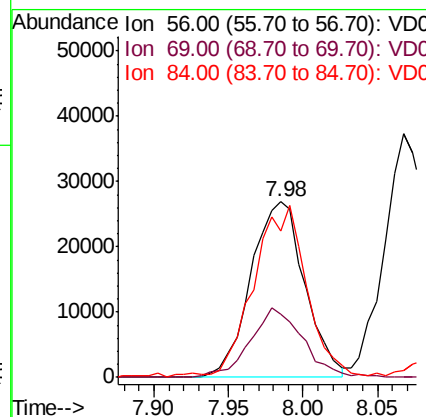
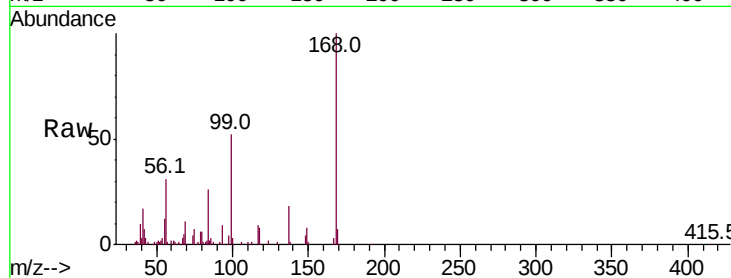
84 81.4 76.3 114.5

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#32

1,1,1-Trichloroethane

Concen: 20.935 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

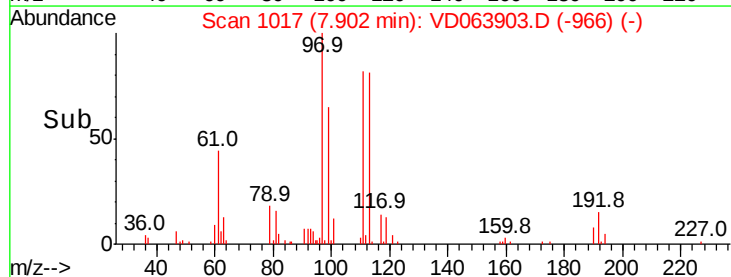
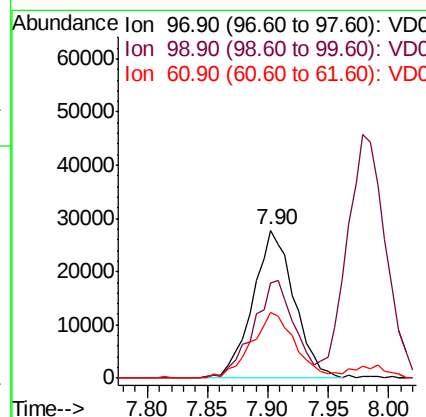
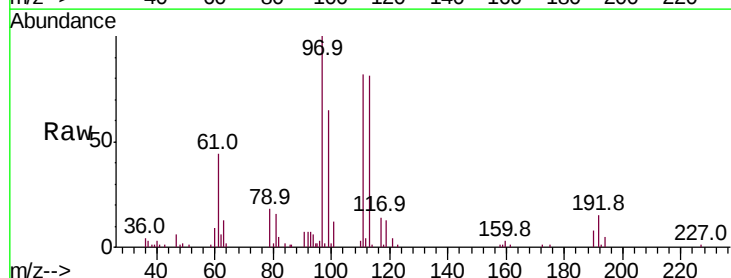
Tgt Ion: 97 Resp: 66299

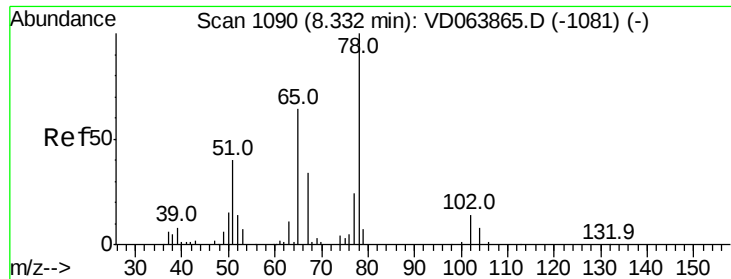
Ion Ratio Lower Upper

97 100

99 65.2 52.4 78.6

61 46.2 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.813 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 65 Resp: 92157

Ion Ratio Lower Upper

65 100

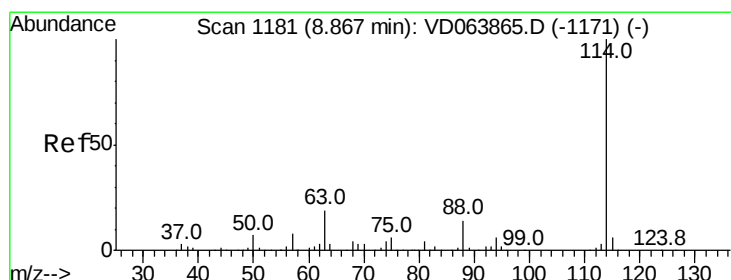
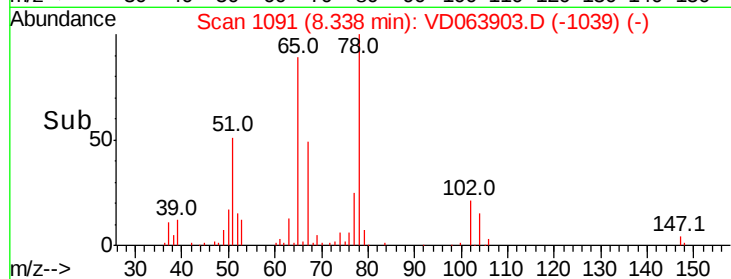
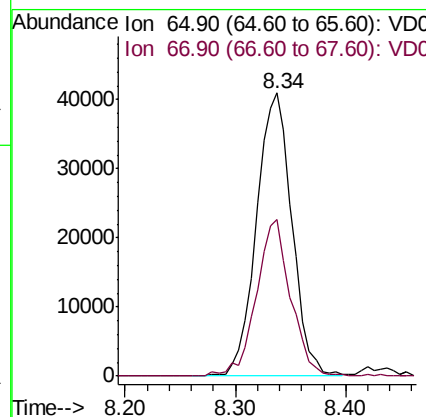
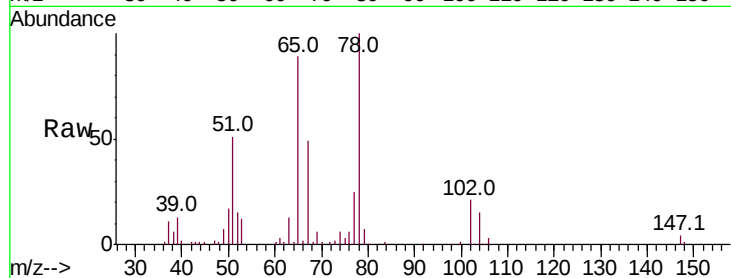
67 53.4 0.0 106.4

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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: VD063903.D

Acq: 10 Oct 2019 11:56

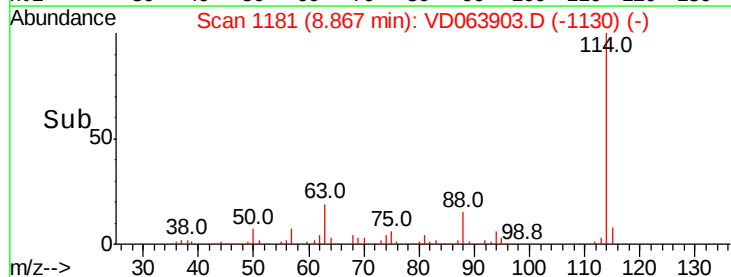
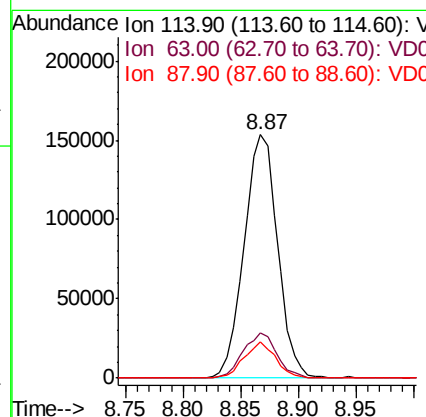
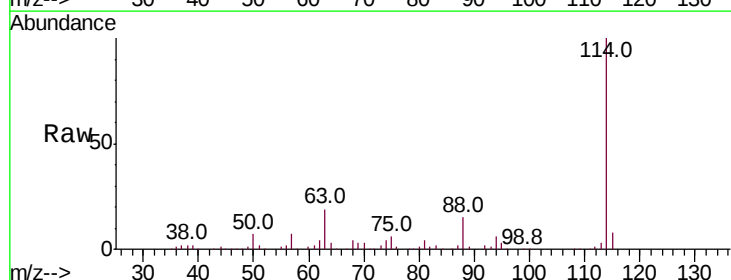
Tgt Ion: 114 Resp: 310528

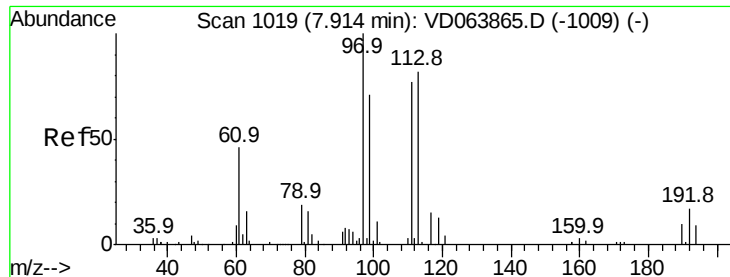
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.1 0.0 27.4





#35

Dibromofluoromethane

Concen: 48.590 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:113 Resp: 92210

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

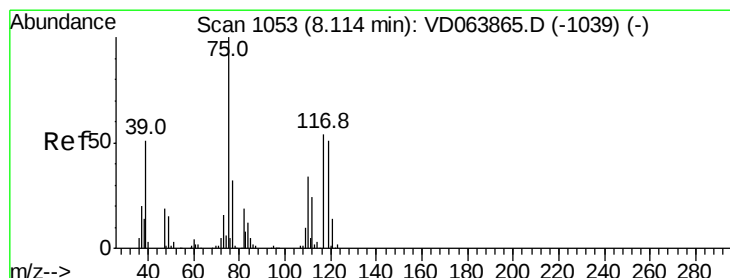
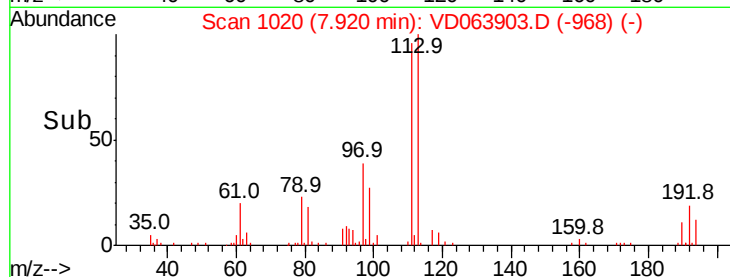
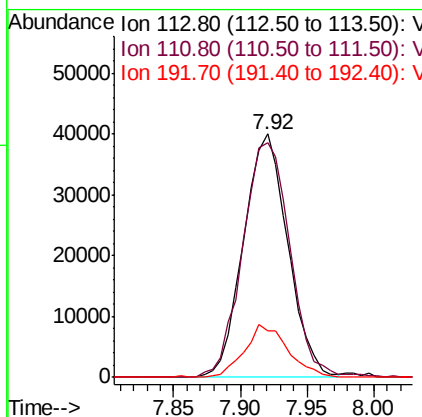
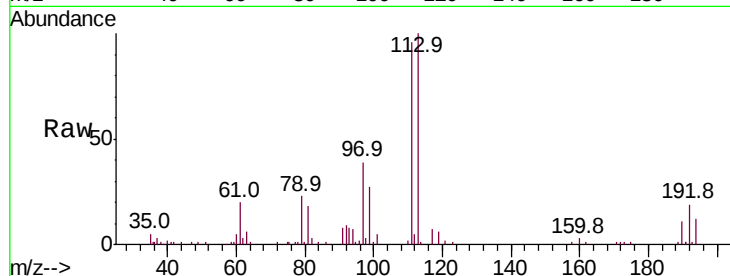
192 21.1 17.1 25.7

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#36

1,1-Dichloropropene

Concen: 21.262 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

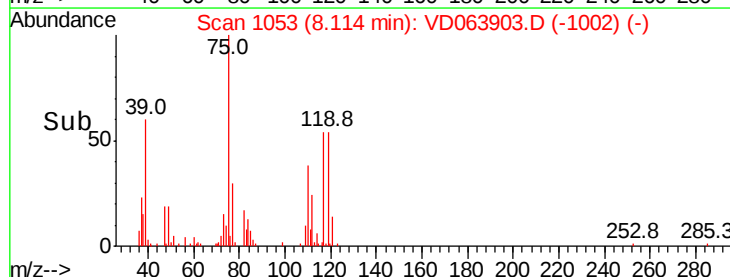
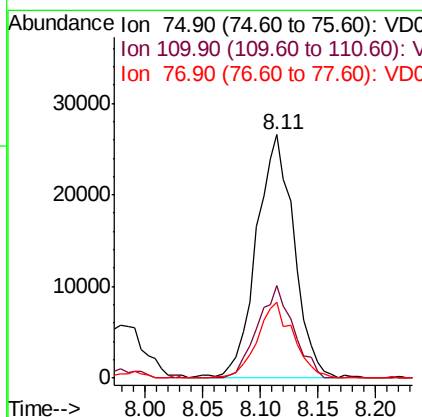
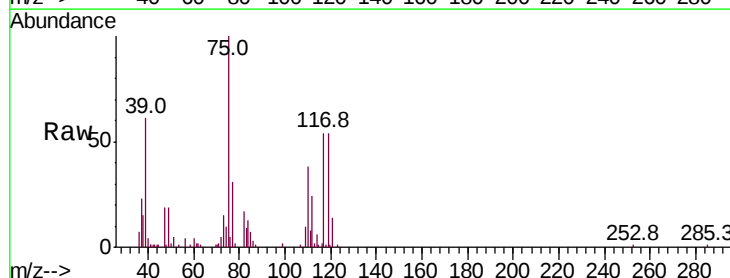
Tgt Ion: 75 Resp: 60367

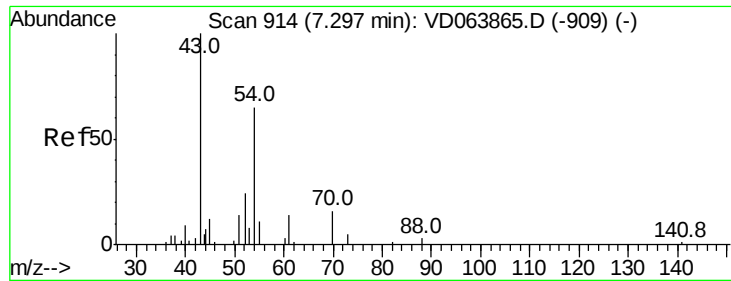
Ion Ratio Lower Upper

75 100

110 36.2 17.4 52.3

77 30.0 25.4 38.0





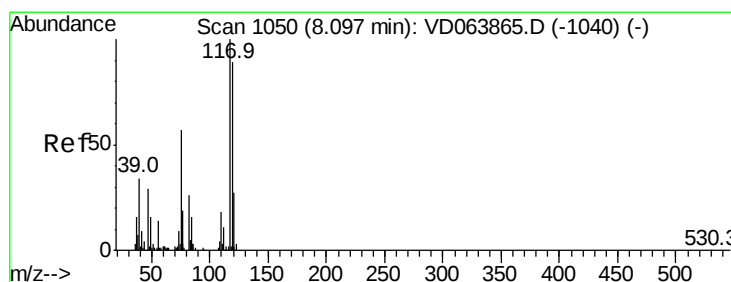
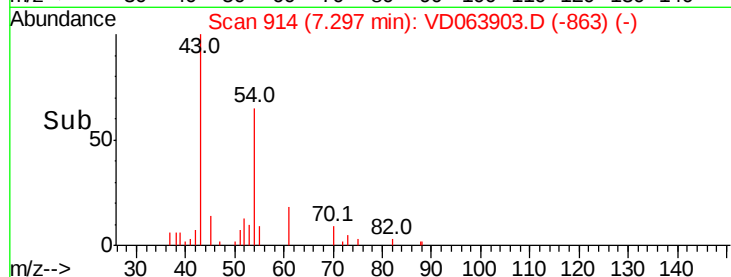
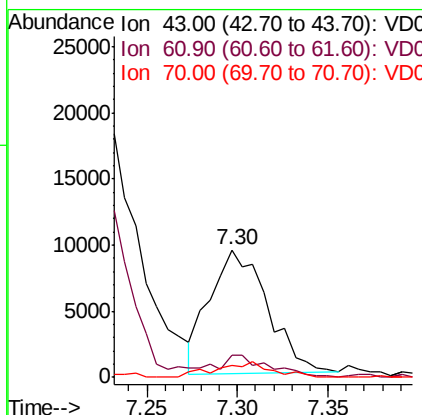
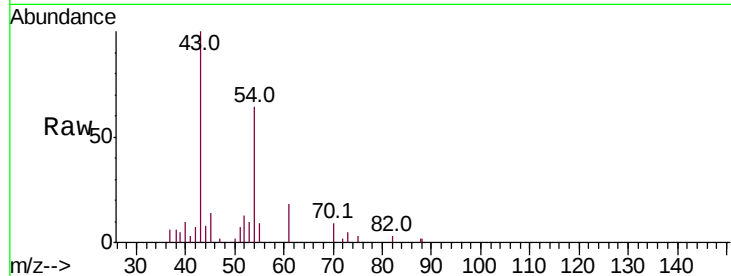
#37
Ethyl Acetate
Concen: 15.353 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.5	17.3
70	11.9	8.2	12.4

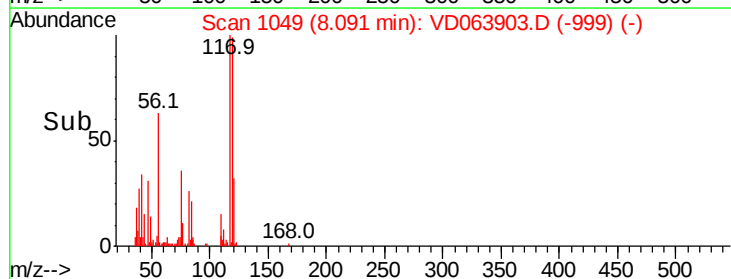
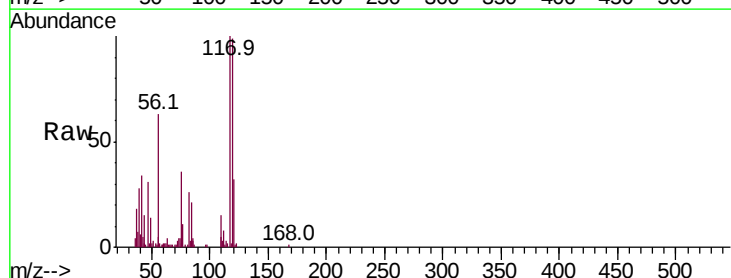
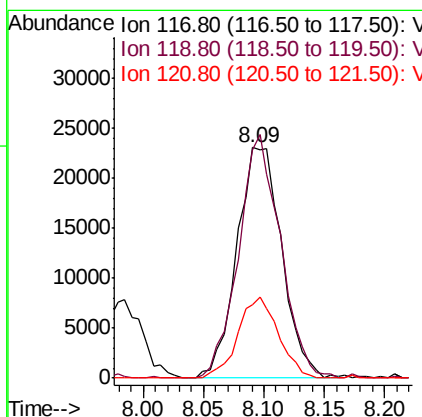
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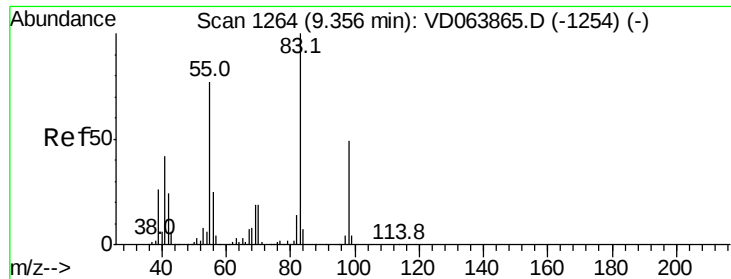
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#38
Carbon Tetrachloride
Concen: 20.828 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	70.8	106.2
121	31.6	21.4	32.0





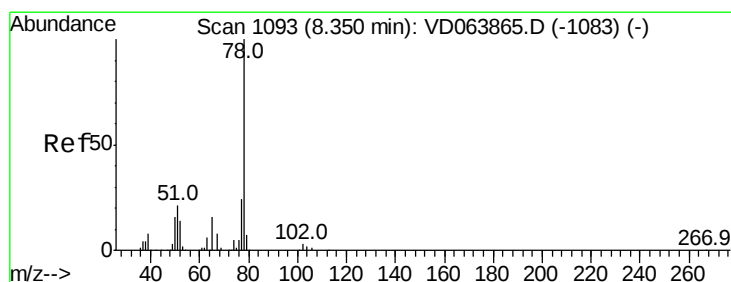
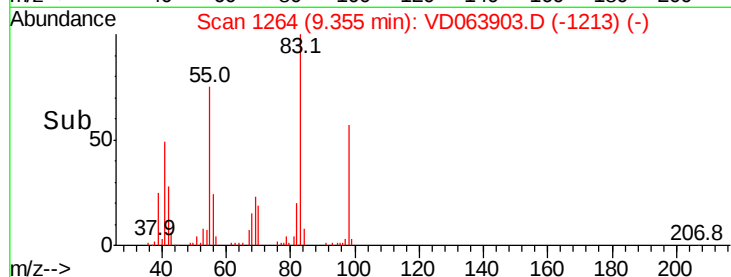
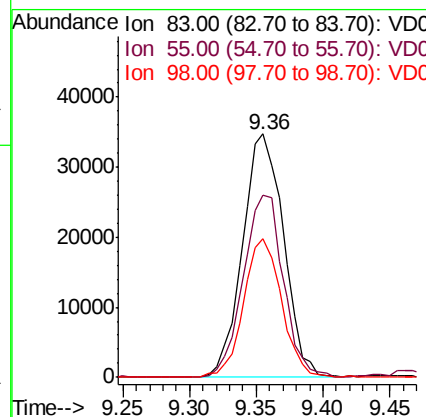
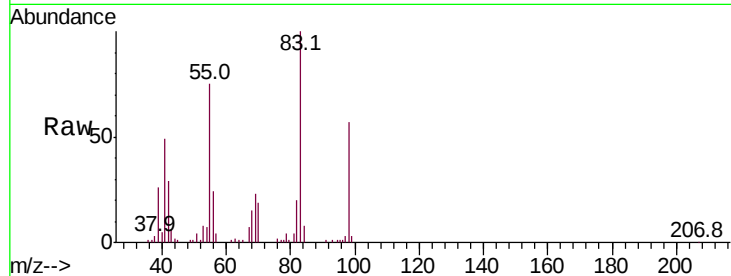
#39
Methvlcvclohexane
Concen: 21.178 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.3	91.9
98	57.2	39.3	58.9

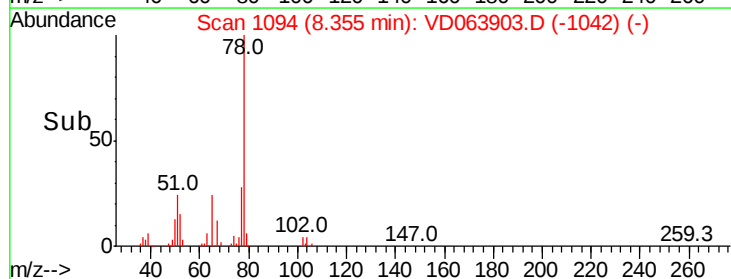
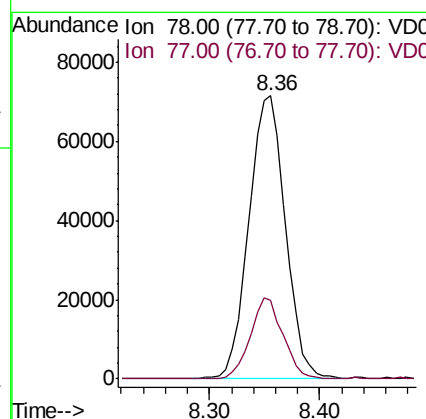
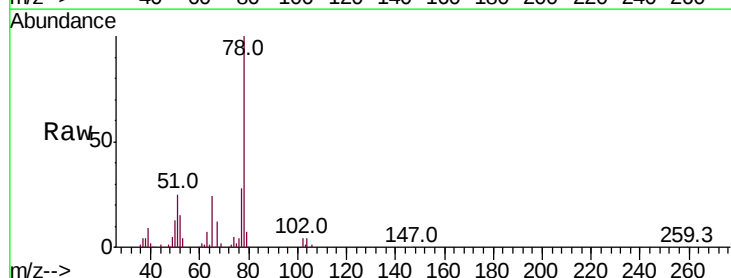
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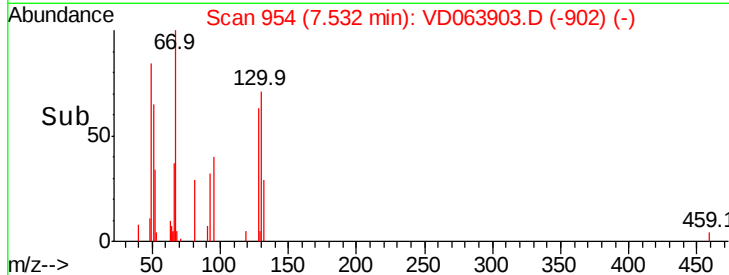
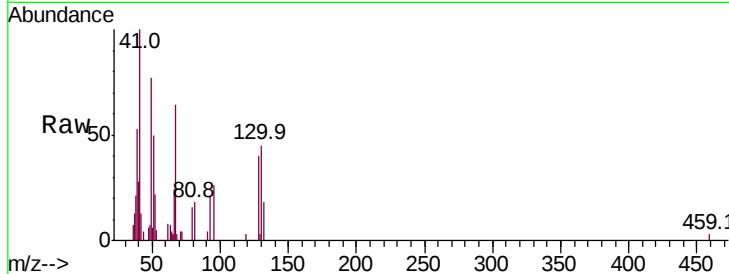
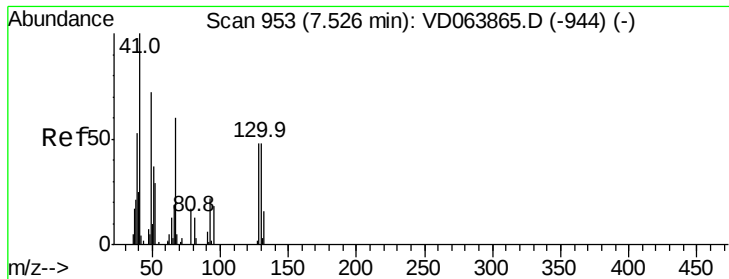
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#40
Benzene
Concen: 20.443 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.7	19.0	28.6





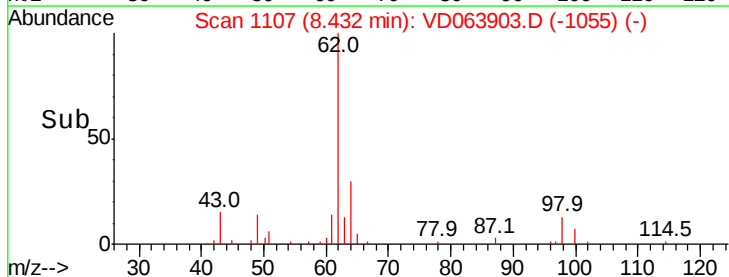
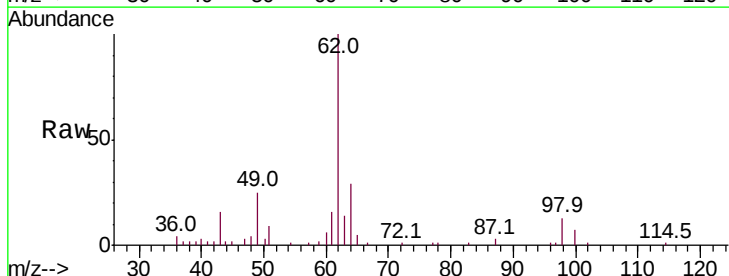
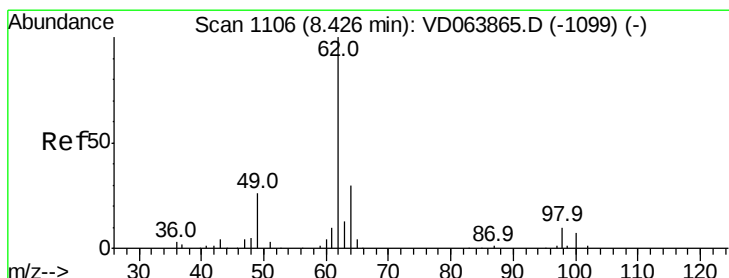
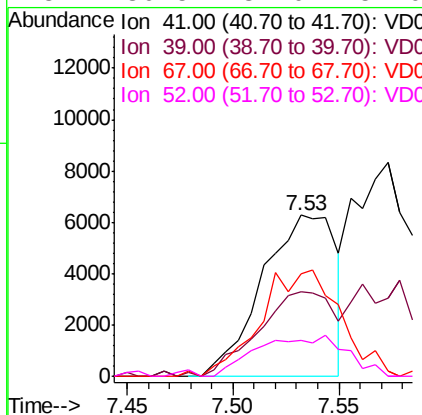
#41
Methacrylonitrile
Concen: 23.073 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.6	52.6	78.8
67	71.5	74.2	111.2#
52	30.5	34.0	51.0#

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

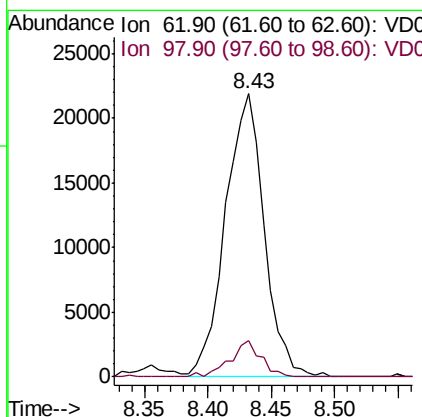
Manual Integrations
APPROVED

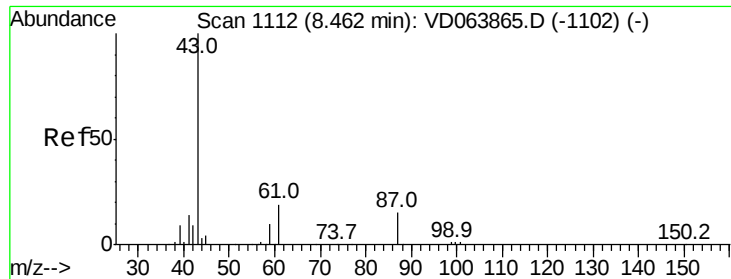
MMDadoda
10/11/2019 10:23:59 AM



#42
1,2-Dichloroethane
Concen: 19.699 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





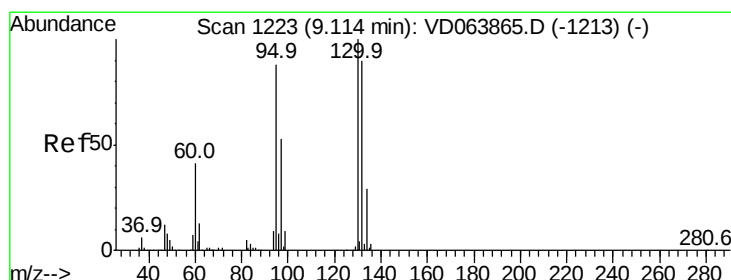
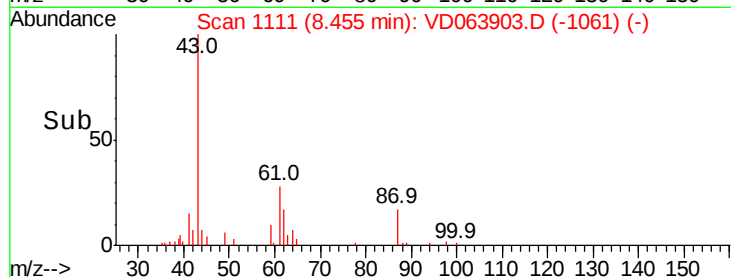
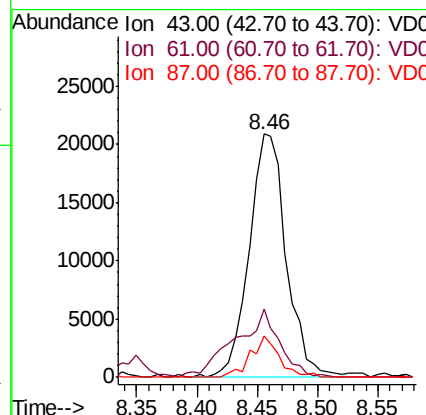
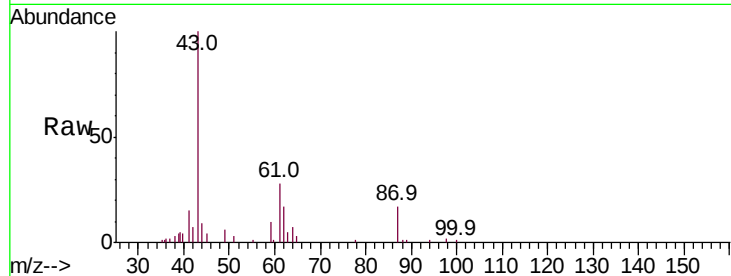
#43
Isopropyl Acetate
Concen: 18.781 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.7	38.5
87	13.1	11.6	17.4

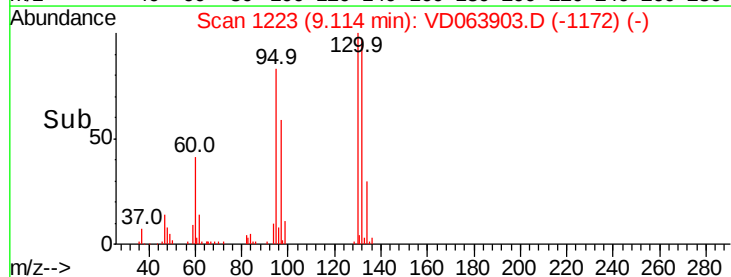
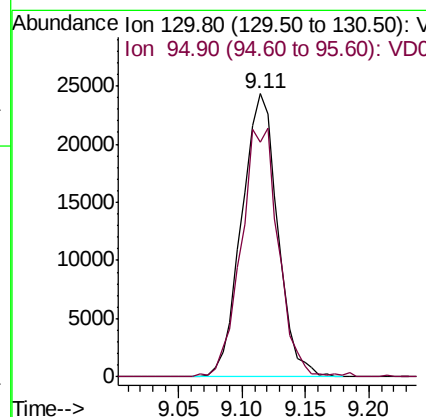
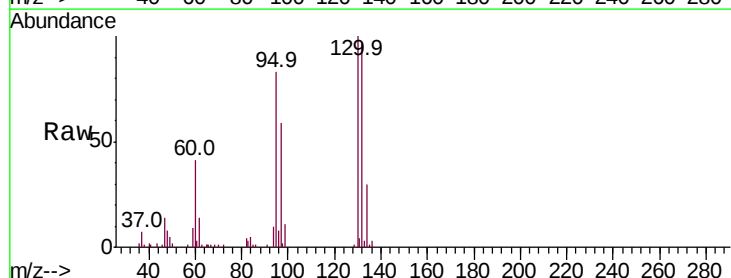
Manual Integrations
APPROVED

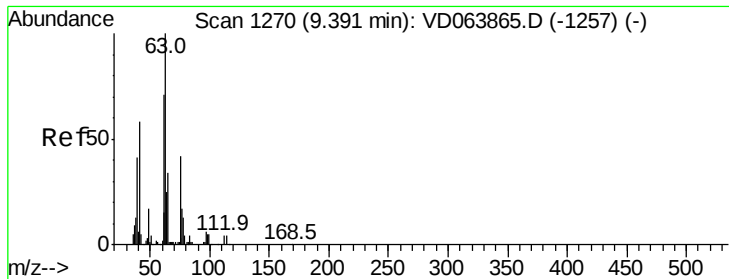
MMDadoda
10/11/2019 10:23:59 AM



#44
Trichloroethene
Concen: 20.490 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.0	0.0	175.6





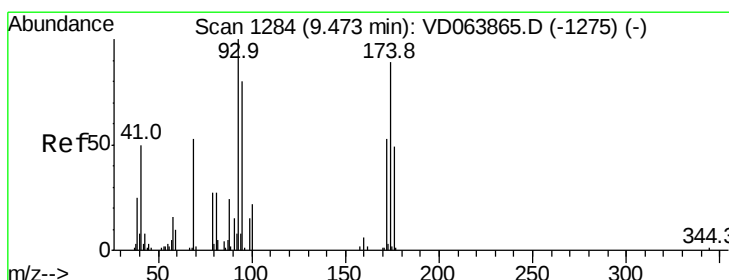
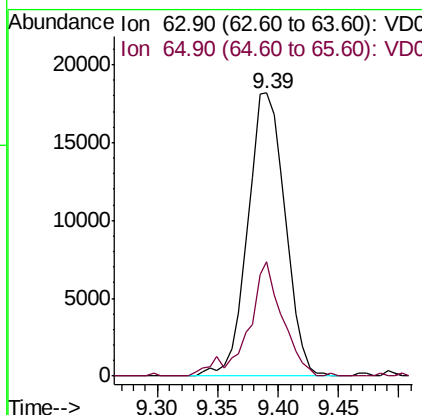
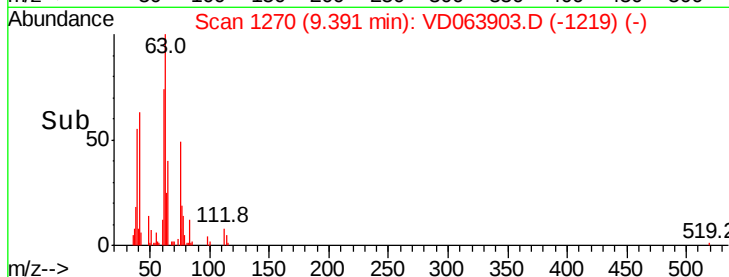
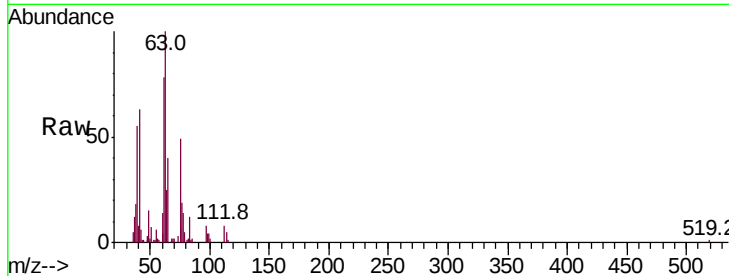
#45
 1,2-Dichloropropane
 Concen: 19.605 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	40.3	27.3	40.9

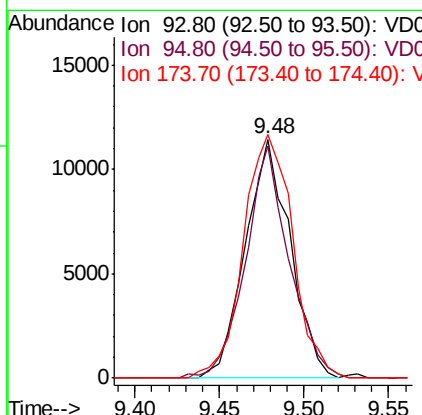
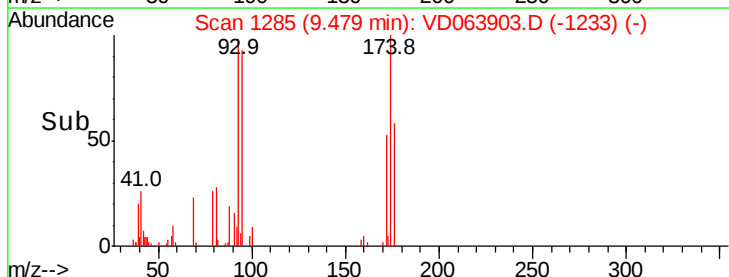
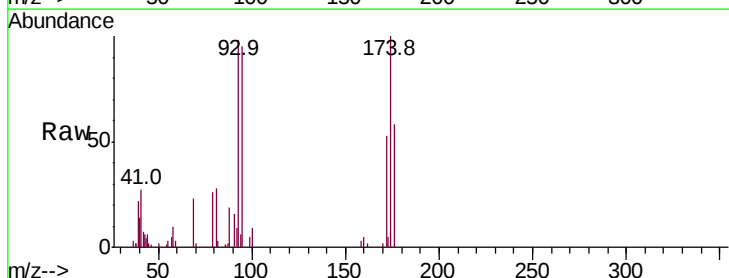
Manual Integrations
 APPROVED

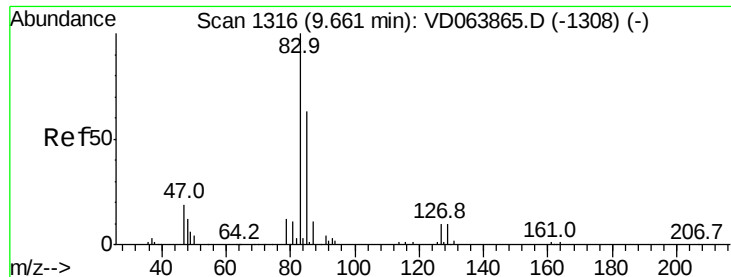
MMDadoda
 10/11/2019 10:23:59 AM



#46
 Dibromomethane
 Concen: 18.629 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	95.2	66.0	99.0
174	112.0	83.4	125.0





#47

Bromodichloromethane

Concen: 18.829 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

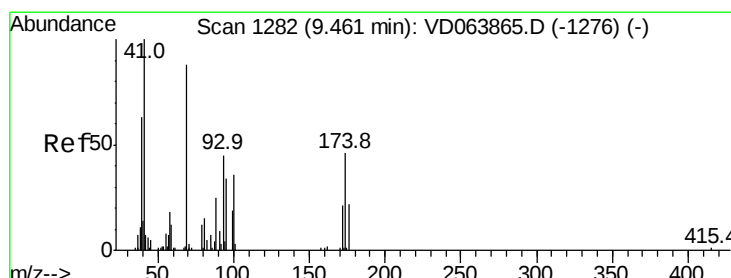
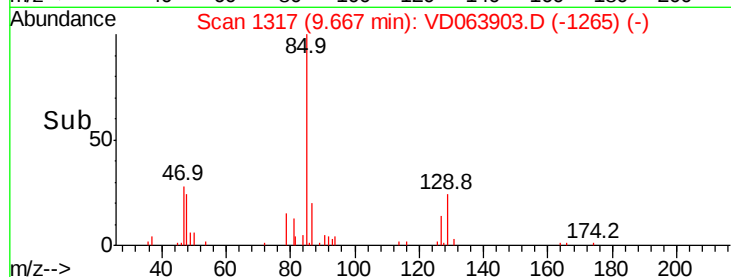
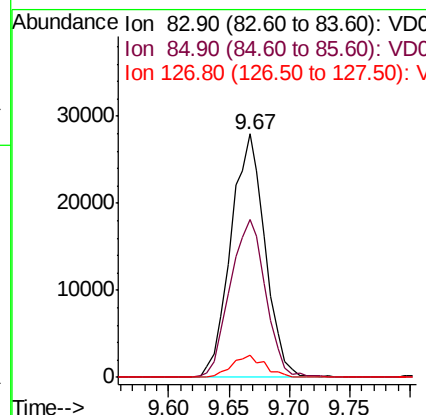
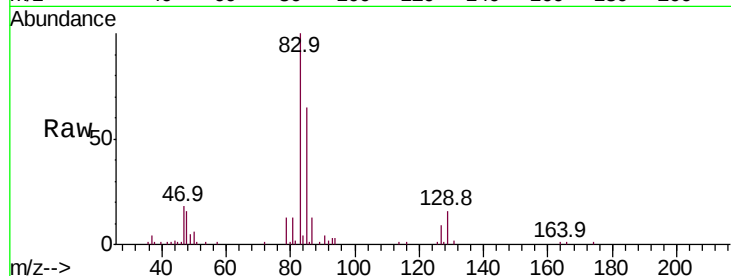
ClientSampleId :

VD1010SBS01

Tot Ion:	83	Resp:	54983
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.2	75.2
127	9.0	7.6	11.4

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 17.417 ug/l

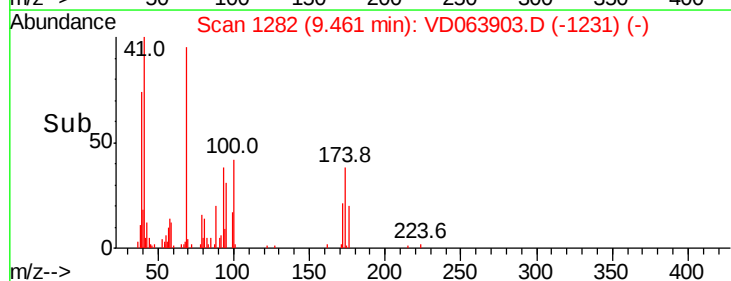
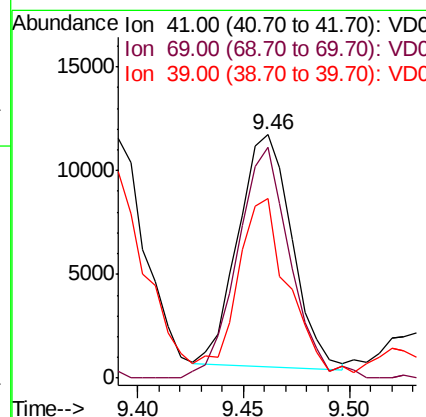
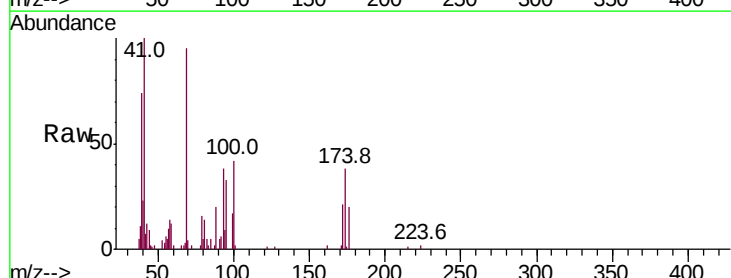
RT: 9.46 min Scan# 1282

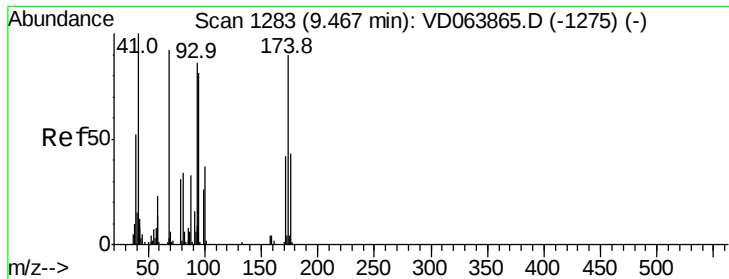
Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:	41	Resp:	19870
Ion	Ratio	Lower	Upper
41	100		
69	97.4	75.1	112.7
39	74.8	50.2	75.2





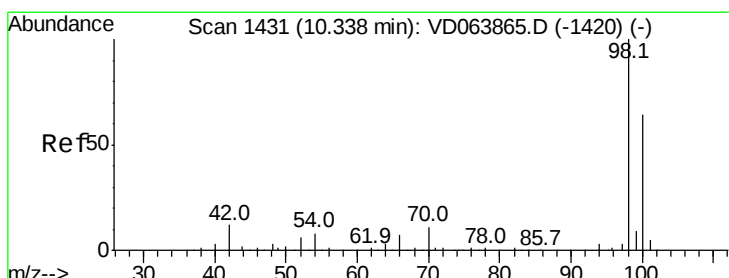
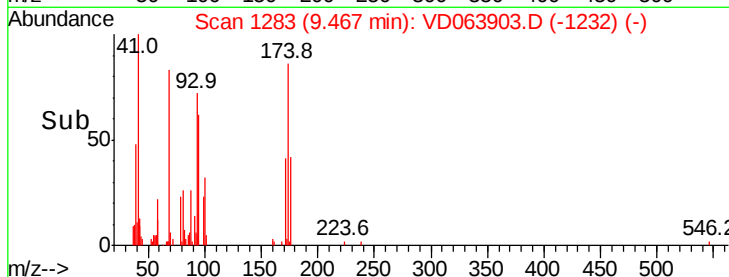
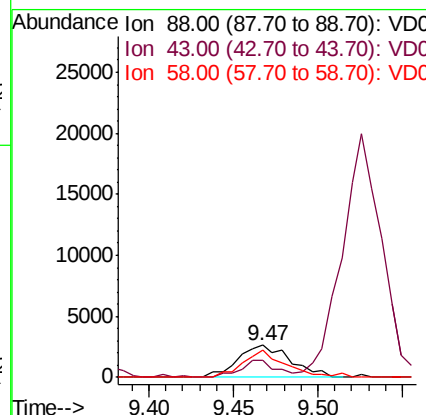
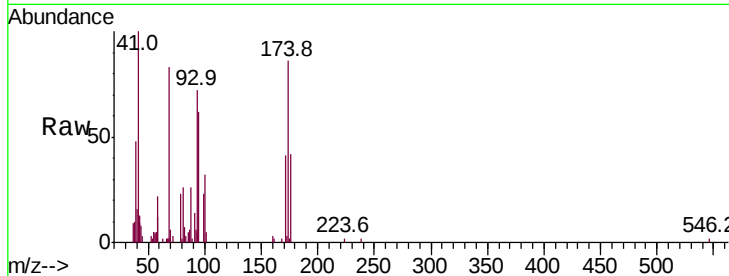
#49
1,4-Dioxane
Concen: 365.466 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	27.6	41.4
58	69.2	54.1	81.1

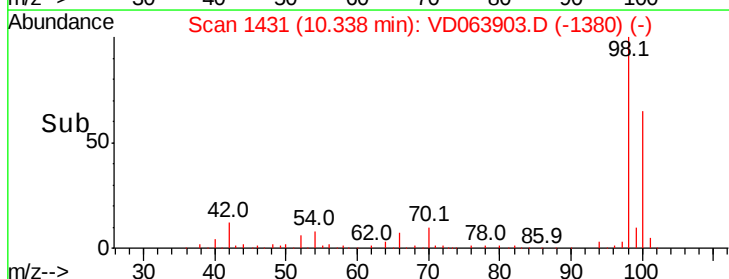
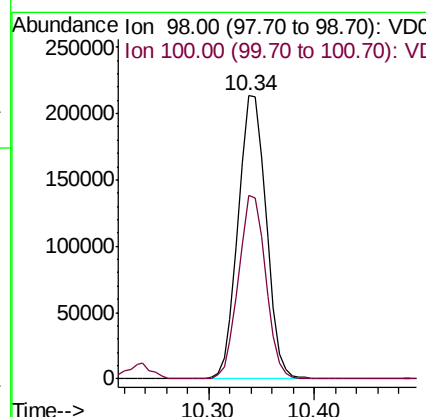
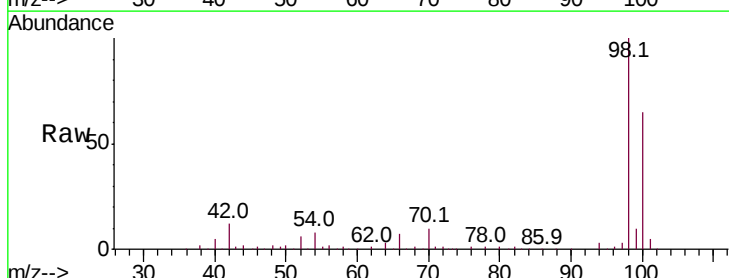
Manual Integrations
APPROVED

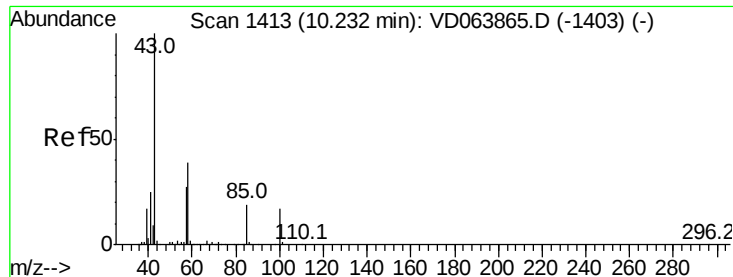
MMDadoda
10/11/2019 10:23:59 AM



#50
Toluene-d8
Concen: 51.189 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 95.030 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 117351

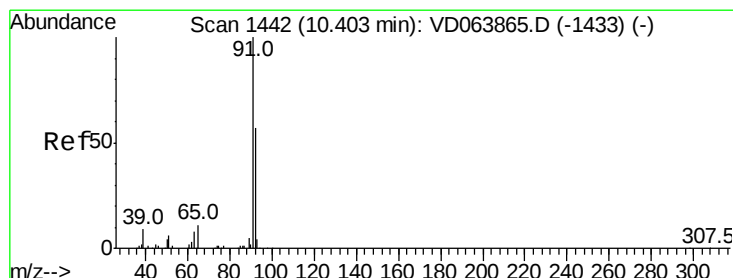
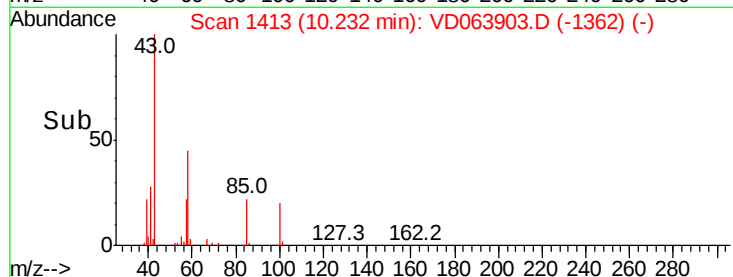
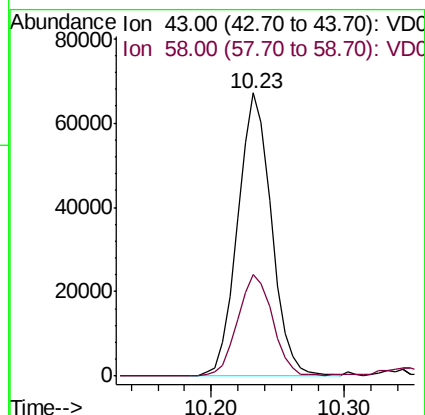
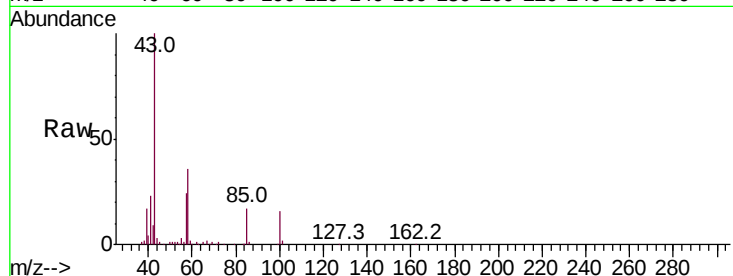
Ion Ratio Lower Upper

43 100

58 37.2 33.0 49.4

Manual Integrations
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10/11/2019 10:23:59 AM



#52

Toluene

Concen: 21.202 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063903.D

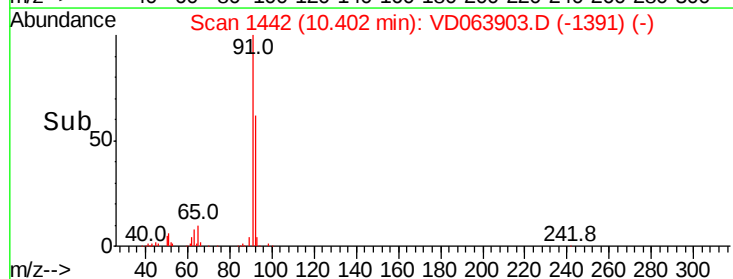
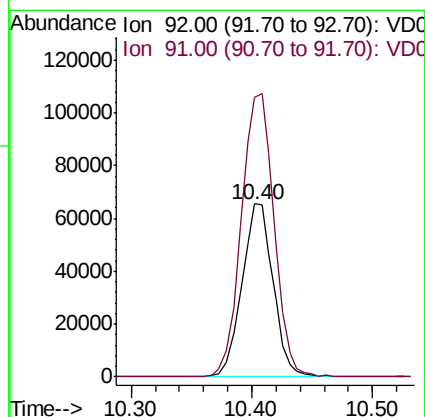
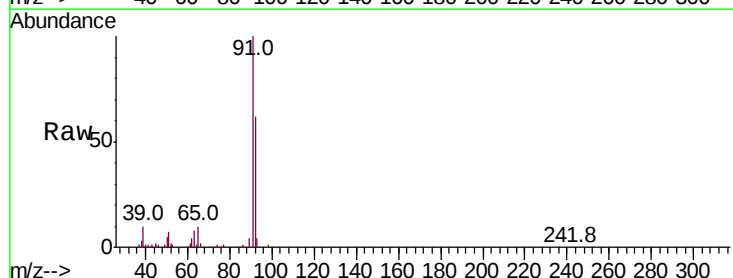
Acq: 10 Oct 2019 11:56

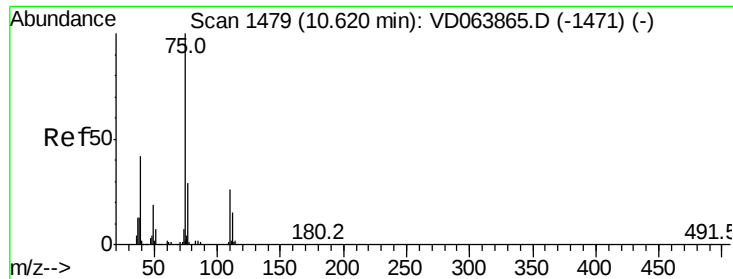
Tgt Ion: 92 Resp: 118422

Ion Ratio Lower Upper

92 100

91 171.0 139.5 209.3





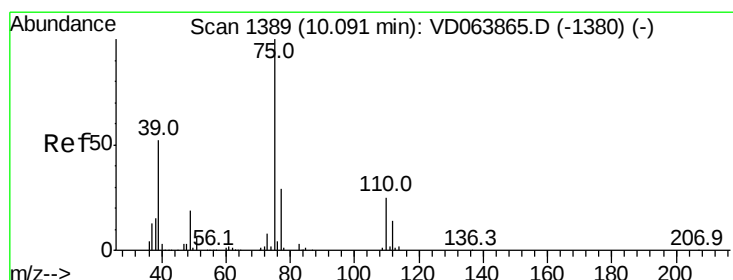
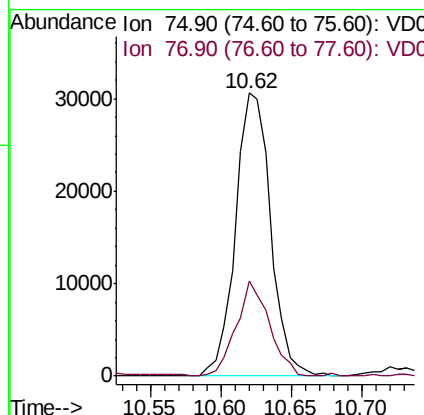
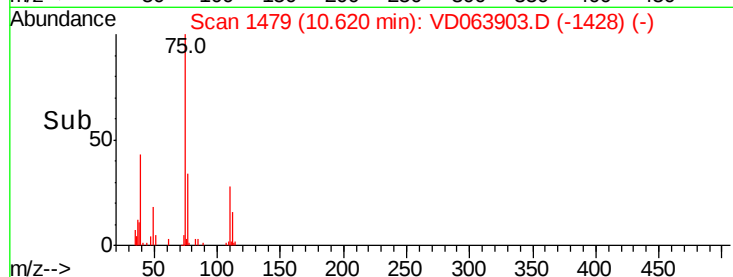
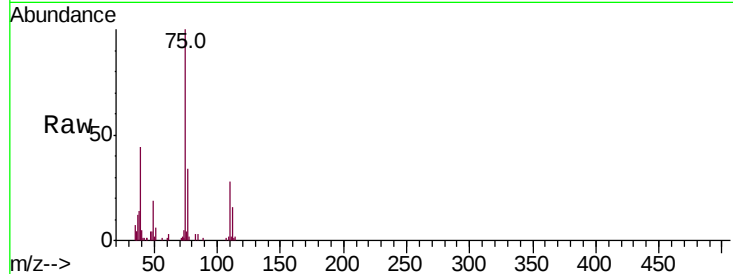
#53
 t-1,3-Dichloropropene
 Concen: 18.670 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion: 75 Resp: 53199
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.8 34.2

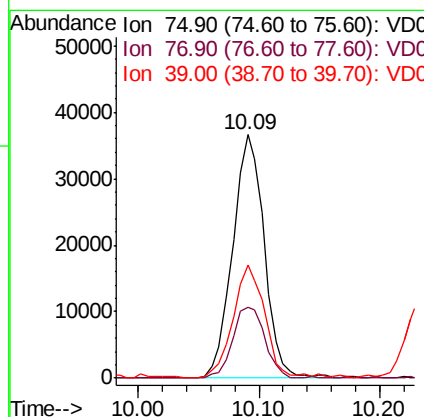
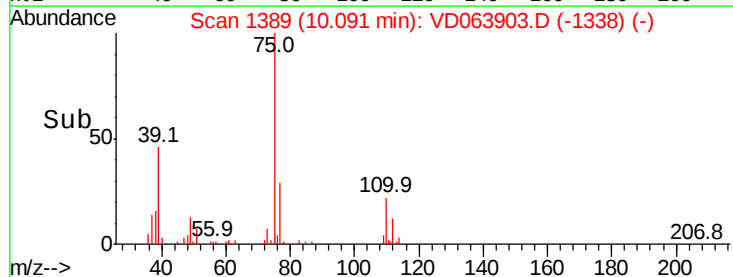
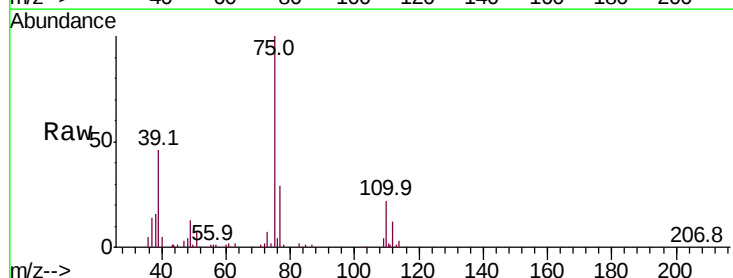
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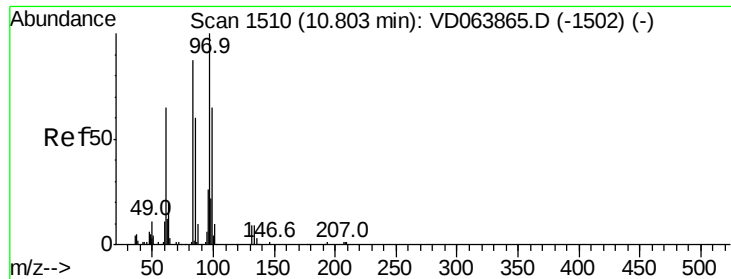
MMDadoda
 10/11/2019 10:23:59 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.278 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 75 Resp: 66514
 Ion Ratio Lower Upper
 75 100
 77 29.0 23.2 34.8
 39 46.5 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.457 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 97 Resp: 32760

Ion Ratio Lower Upper

97 100

83 77.6 69.7 104.5

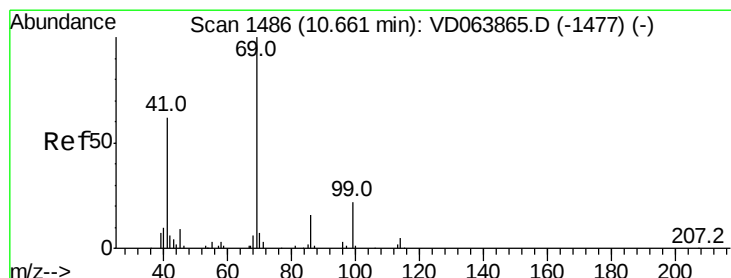
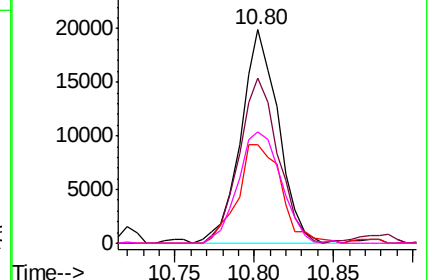
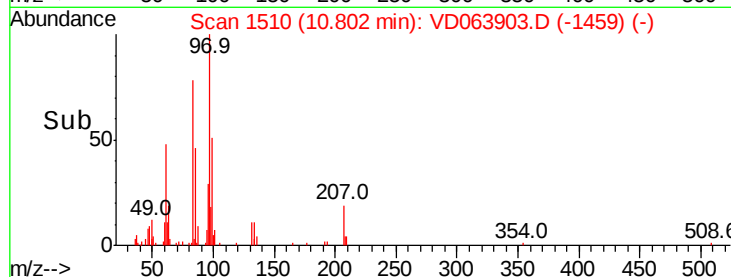
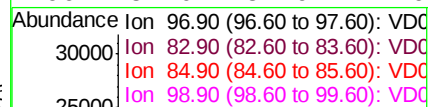
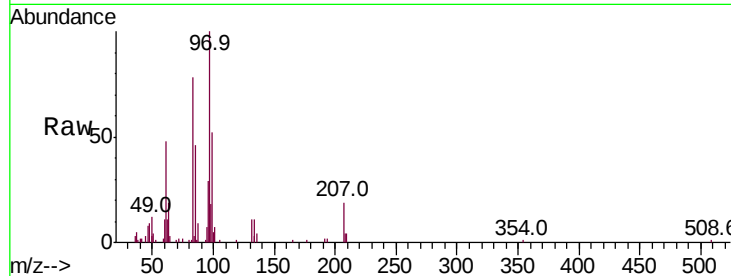
85 46.1 48.1 72.1#

99 52.0 51.9 77.9

Manual Integrations
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10/11/2019 10:23:59 AM



#56

Ethyl methacrylate

Concen: 18.149 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

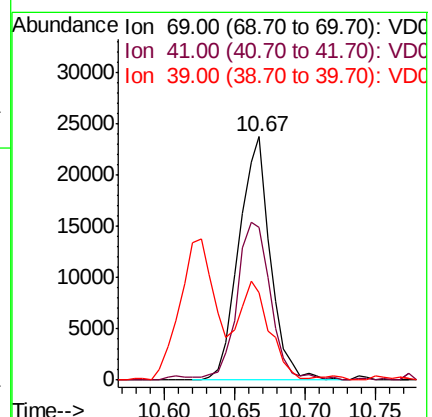
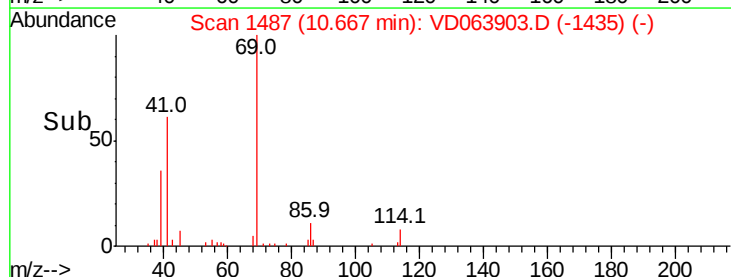
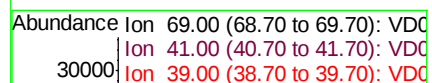
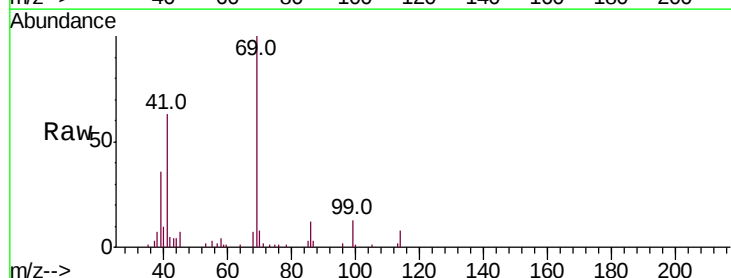
Tgt Ion: 69 Resp: 36805

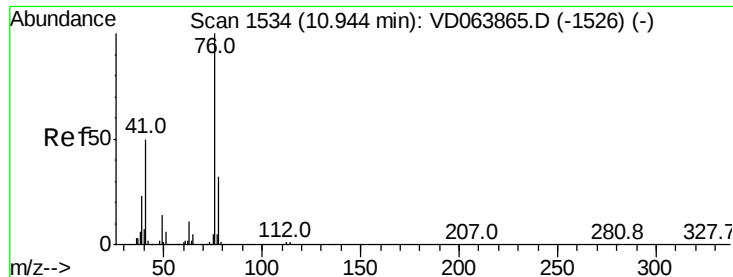
Ion Ratio Lower Upper

69 100

41 69.5 51.3 76.9

39 40.5 28.0 42.0





#57

1,3-Dichloropropane

Concen: 20.467 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D

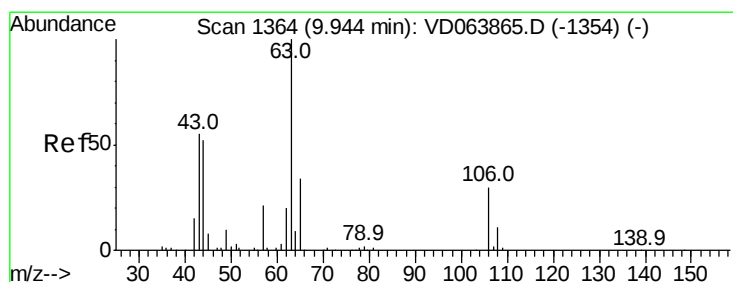
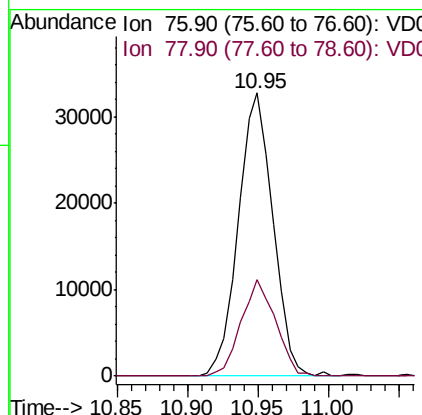
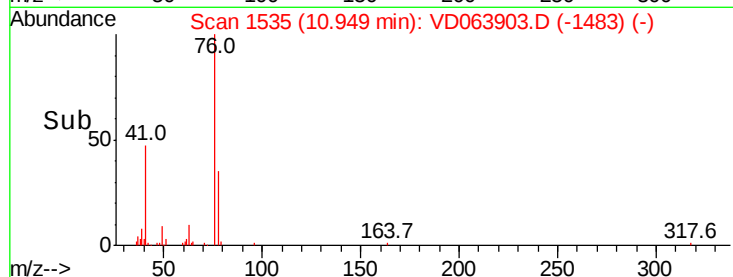
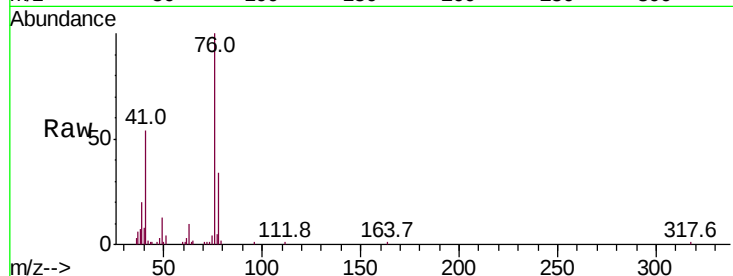
ClientSampleId :
VD1010SBS01

Tot Ion: 76 Resp: 56079

Ion	Ratio	Lower	Upper
76	100		
78	34.0	26.6	40.0

Manual Integrations
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10/11/2019 10:23:59 AM



#58

2-Chloroethyl Vinyl ether

Concen: 87.955 ug/l

RT: 9.94 min Scan# 1364

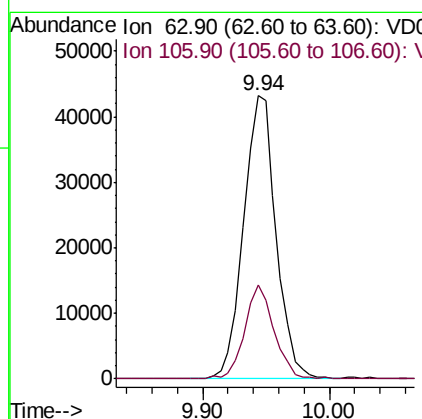
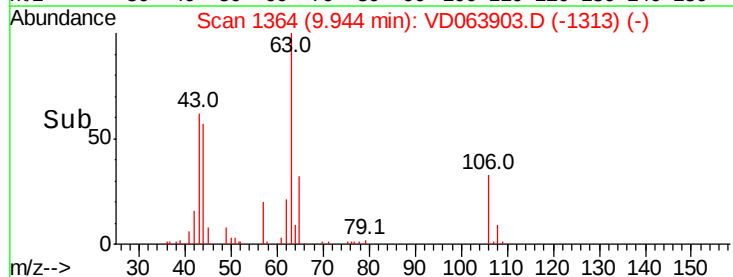
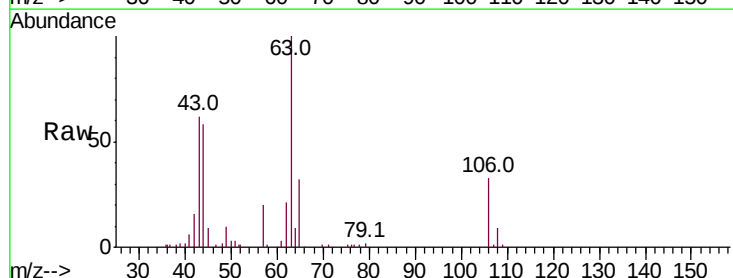
Delta R.T. -0.00 min

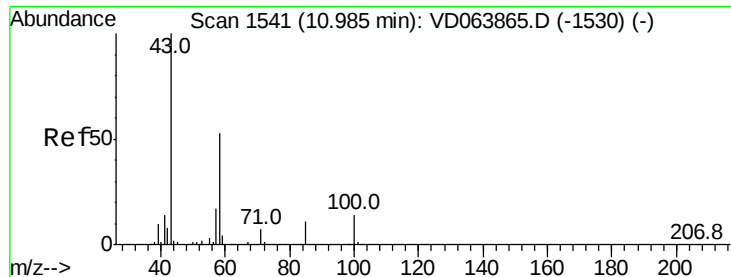
Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion: 63 Resp: 76670

Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.3	36.5





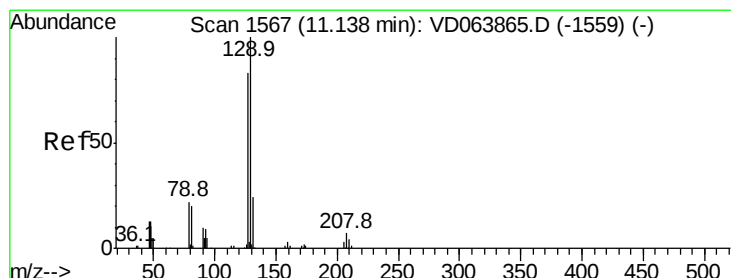
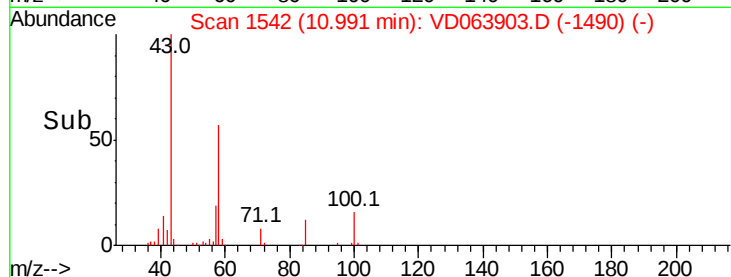
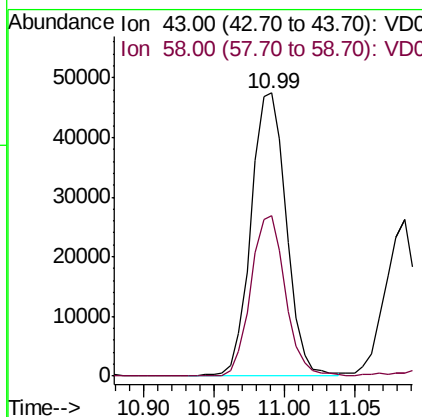
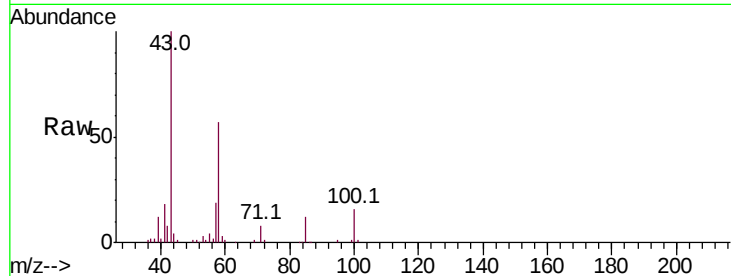
#59
2-Hexanone
Concen: 93.279 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 43 Resp: 83324
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0

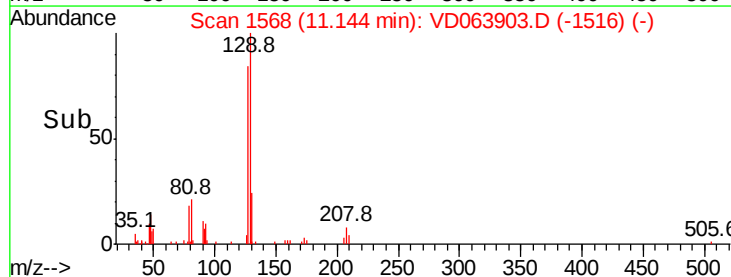
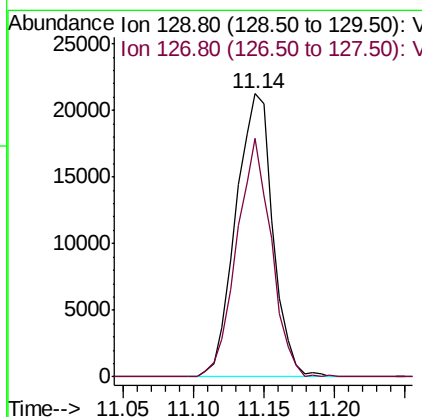
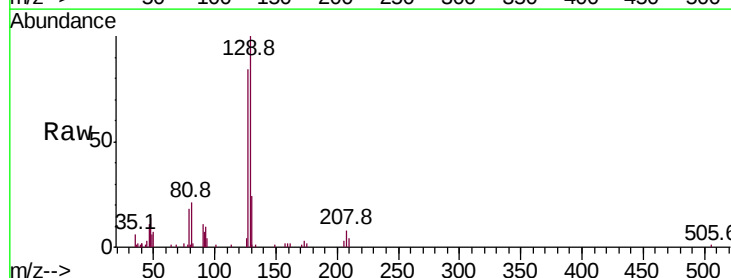
Manual Integrations
APPROVED

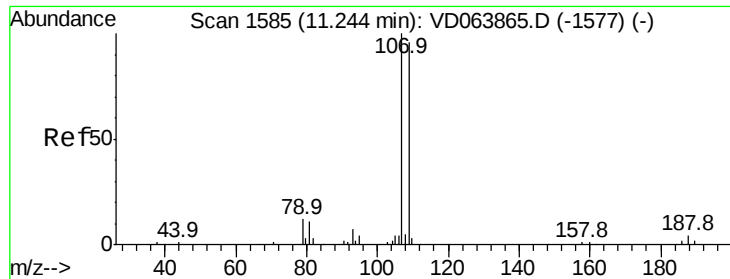
MMDadoda
10/11/2019 10:23:59 AM



#60
Dibromochloromethane
Concen: 18.696 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 129 Resp: 38980
Ion Ratio Lower Upper
129 100
127 78.7 39.9 119.6





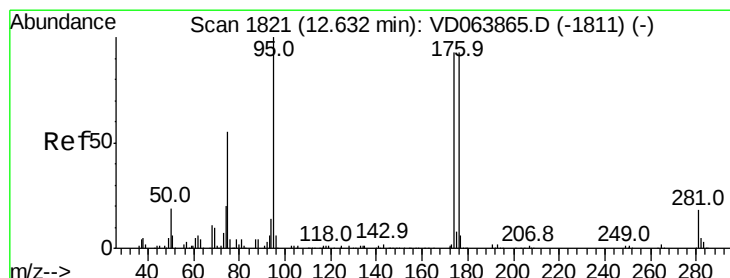
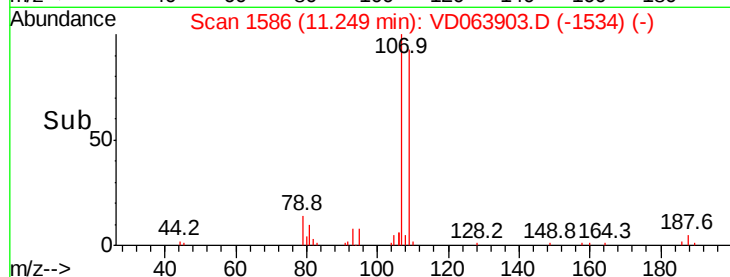
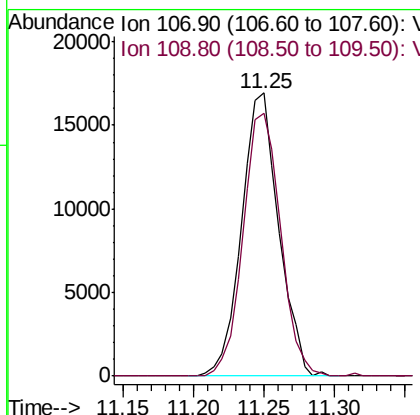
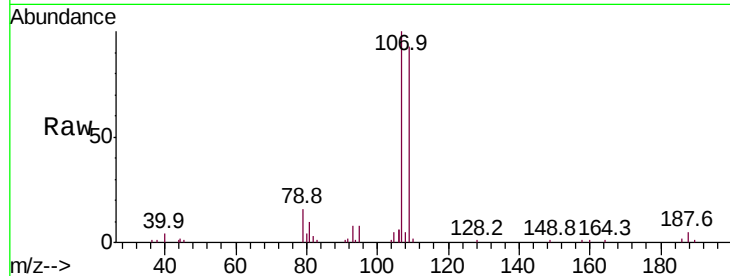
#61
 1,2-Dibromoethane
 Concen: 20.136 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

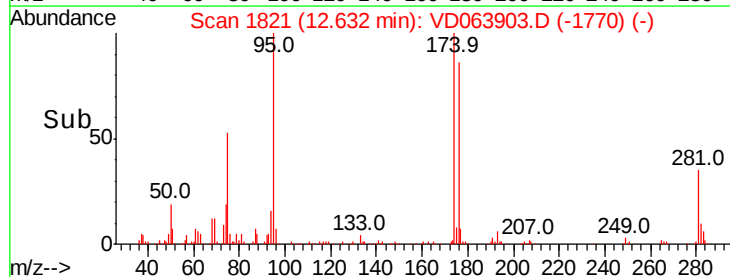
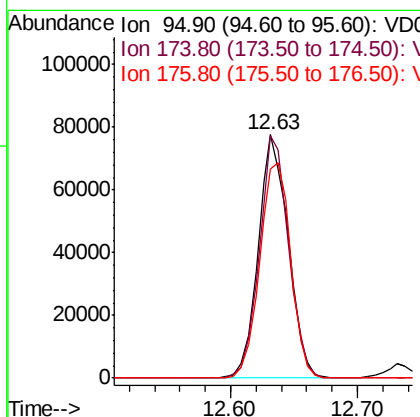
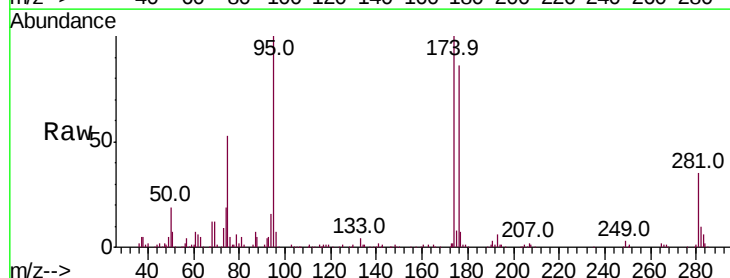
Manual Integrations
 APPROVED

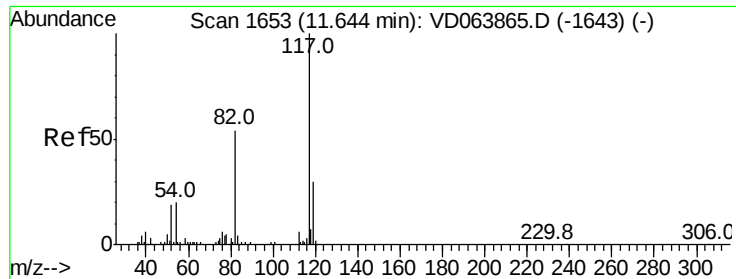
MMDadoda
 10/11/2019 10:23:59 AM



#62
 4-Bromofluorobenzene
 Concen: 47.742 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.9	0.0	186.4
176	91.1	0.0	184.2





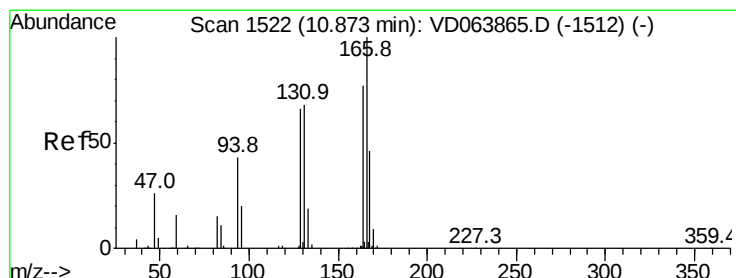
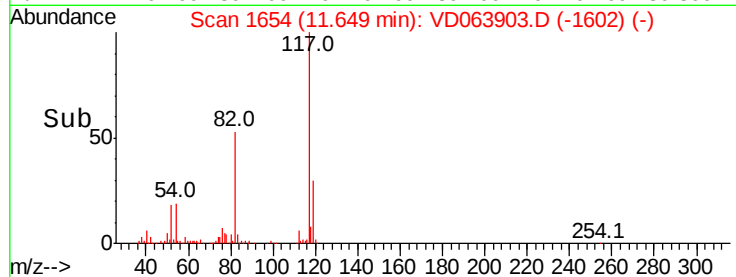
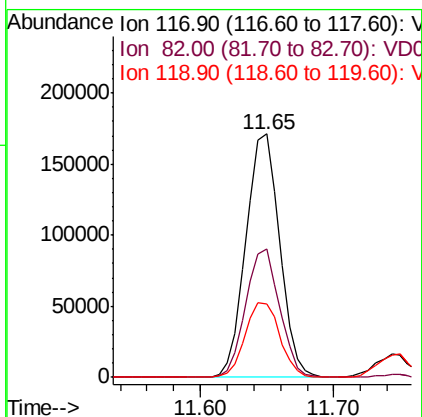
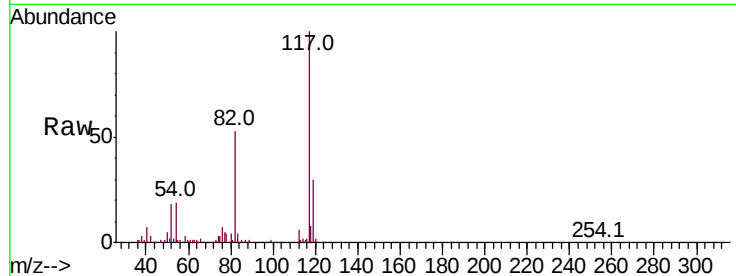
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299692		
82	52.7		42.8	64.2
119	30.2		24.4	36.6

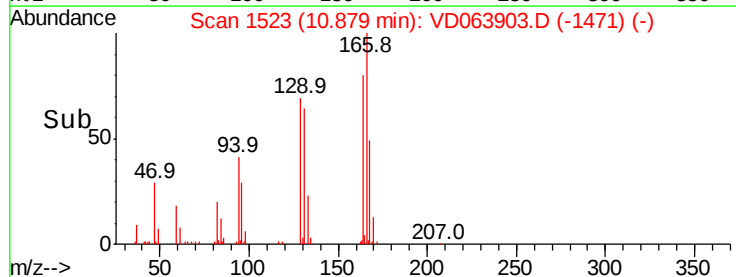
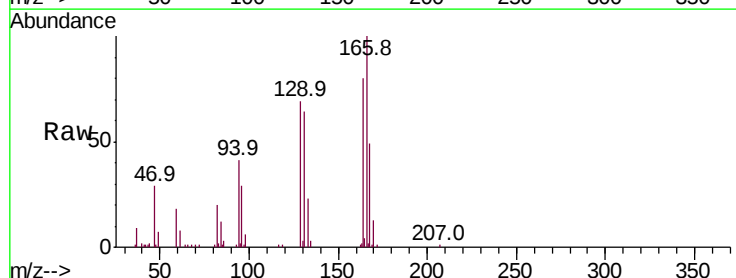
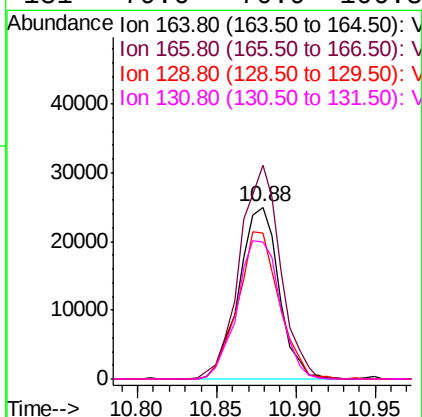
Manual Integrations
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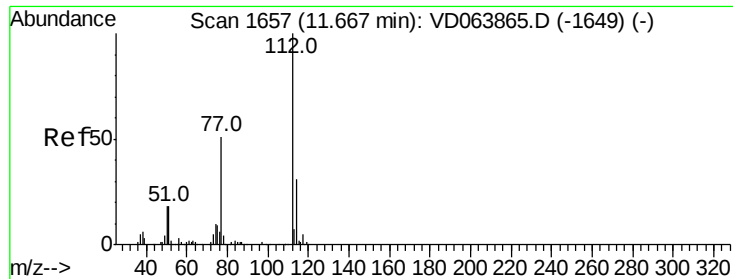
MMDadoda
10/11/2019 10:23:59 AM



#64
Tetrachloroethene
Concen: 21.425 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43834		
166	124.4		103.8	155.6
129	85.3		68.9	103.3
131	79.6		70.9	106.3





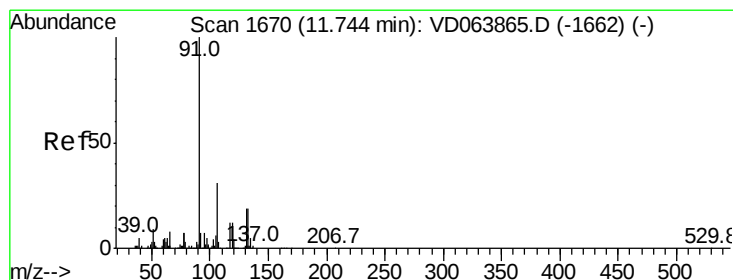
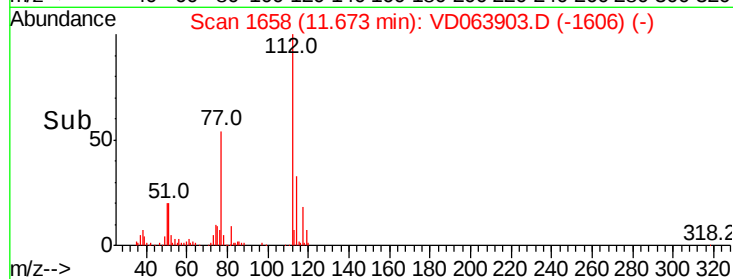
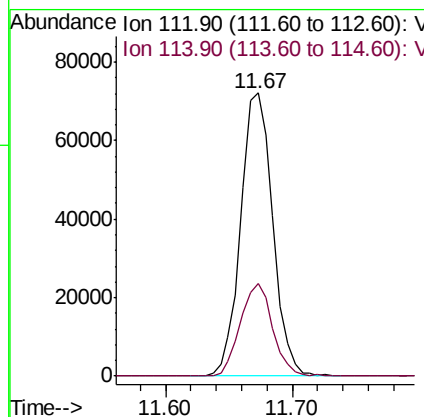
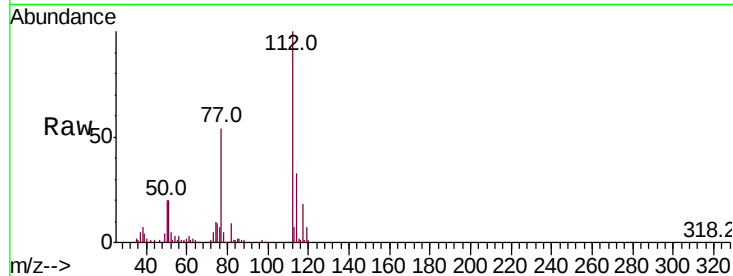
#65
Chlorobenzene
Concen: 21.010 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:112 Resp: 126453
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7

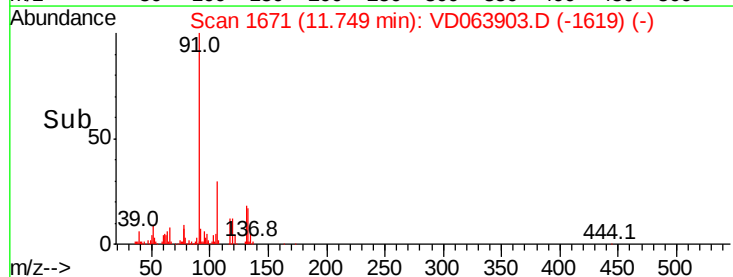
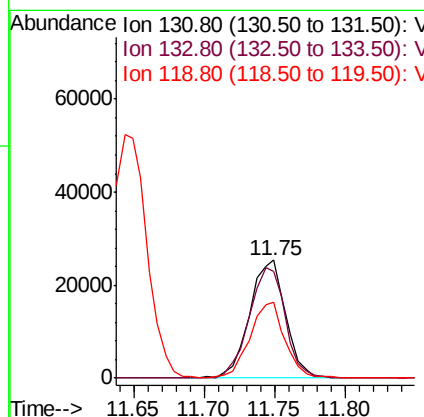
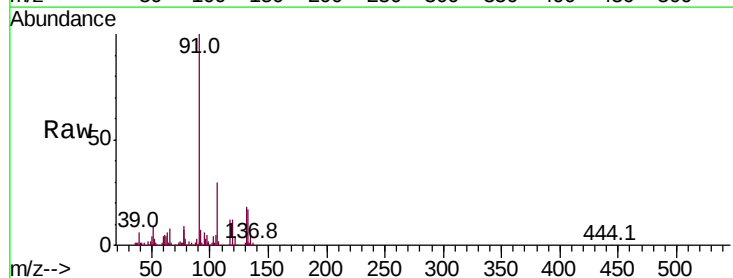
Manual Integrations
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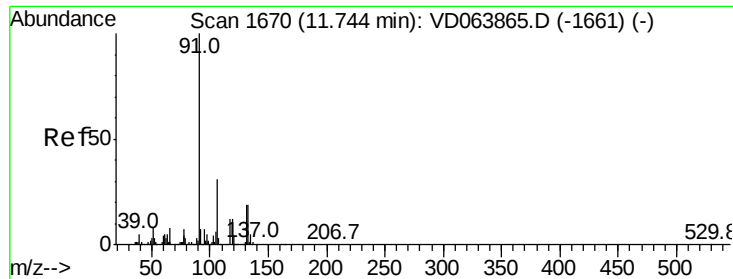
MMDadoda
10/11/2019 10:23:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.435 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion:131 Resp: 45320
Ion Ratio Lower Upper
131 100
133 94.1 48.9 146.7
119 62.7 32.6 97.8





#67

Ethyl Benzene

Concen: 20.997 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 91 Resp: 227877

Ion Ratio Lower Upper

91 100

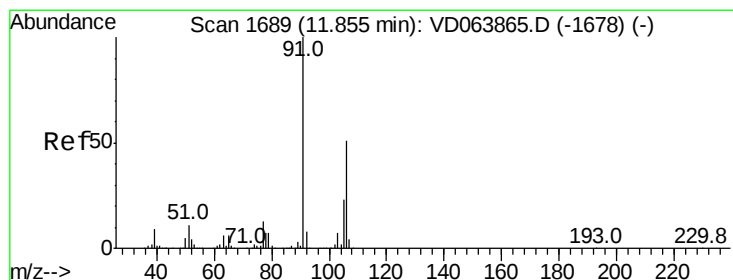
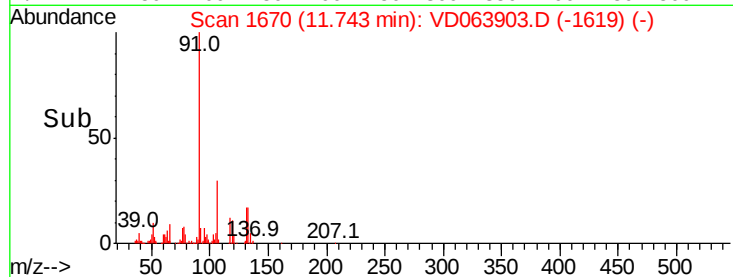
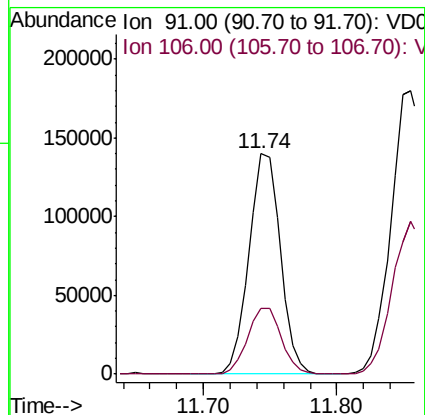
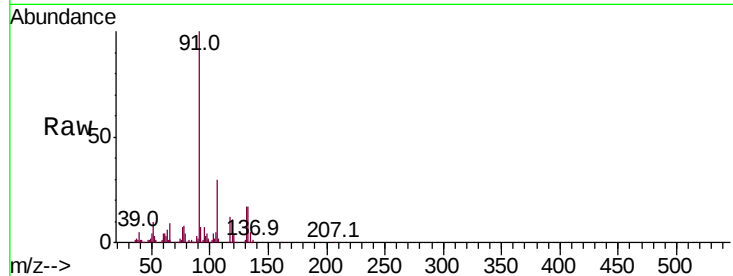
106 30.1 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

10/11/2019 10:23:59 AM



#68

m/p-Xylenes

Concen: 43.513 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063903.D

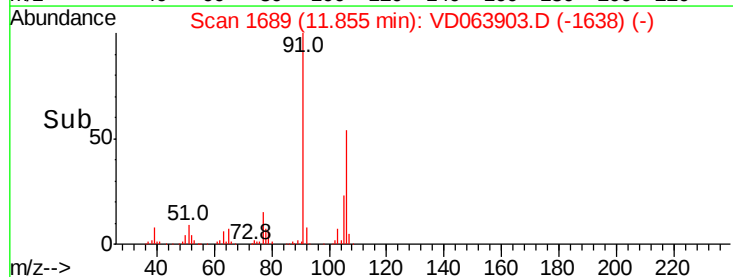
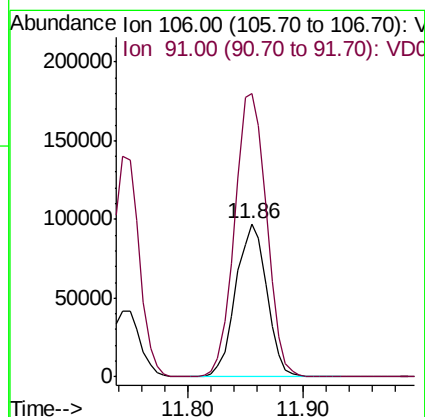
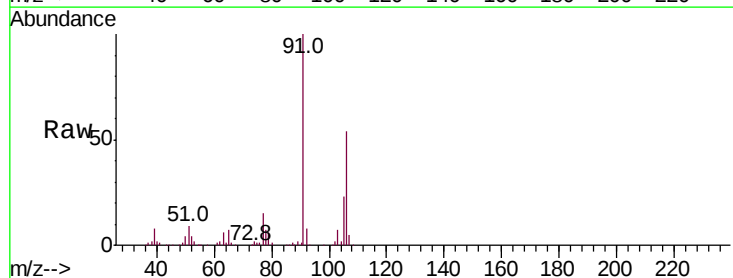
Acq: 10 Oct 2019 11:56

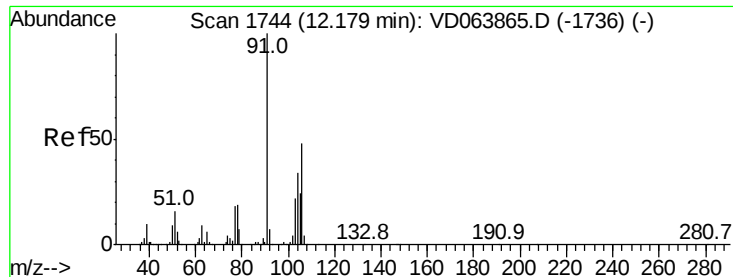
Tgt Ion: 106 Resp: 182272

Ion Ratio Lower Upper

106 100

91 189.1 154.8 232.2





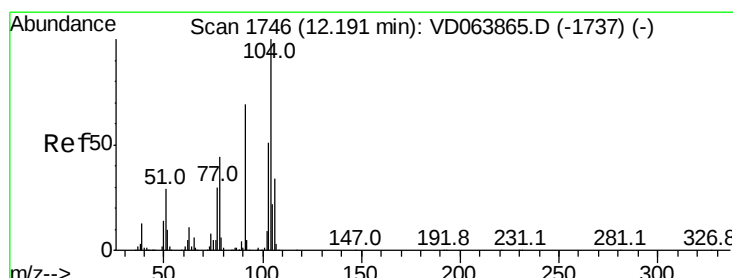
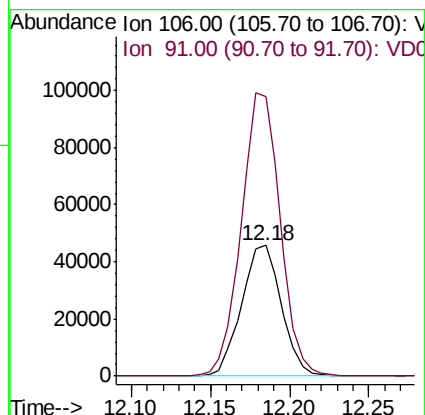
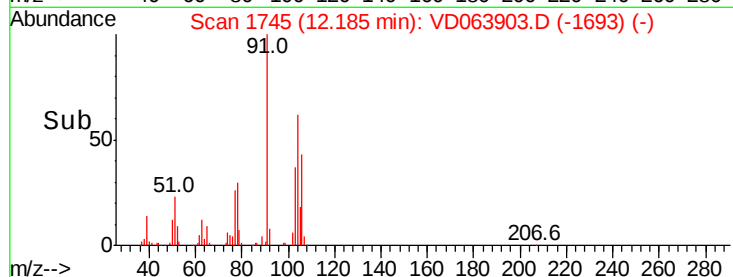
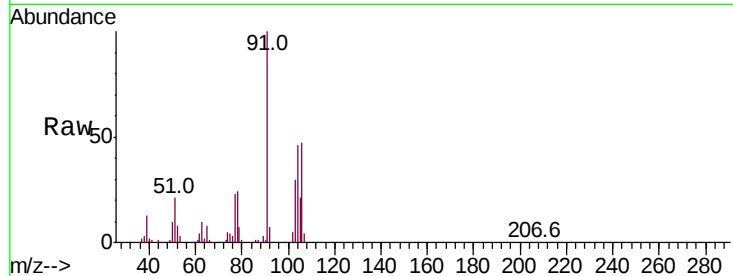
#69
o-Xylene
Concen: 19.918 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:106 Resp: 79892
Ion Ratio Lower Upper
106 100
91 211.9 103.9 311.7

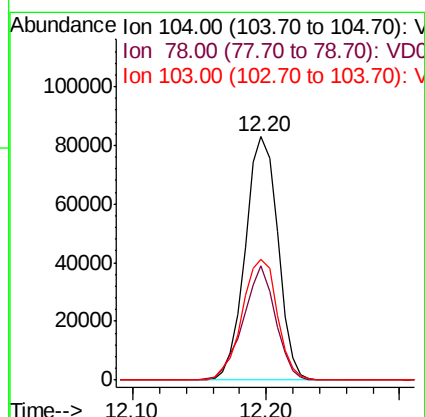
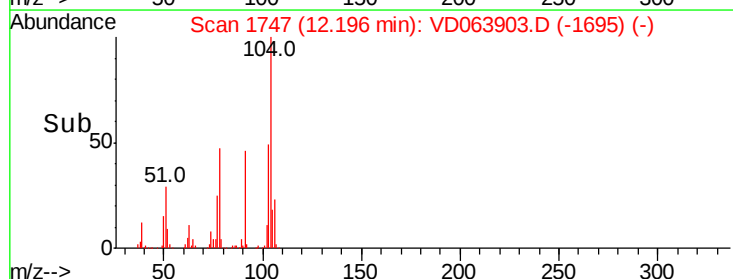
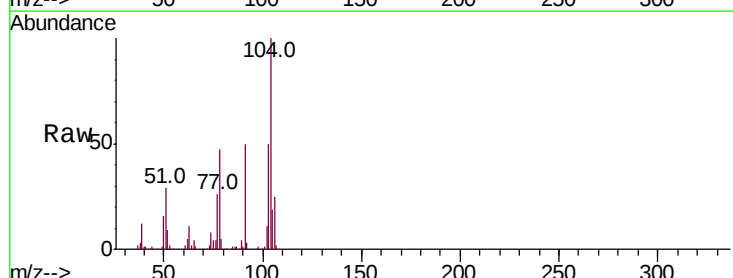
Manual Integrations
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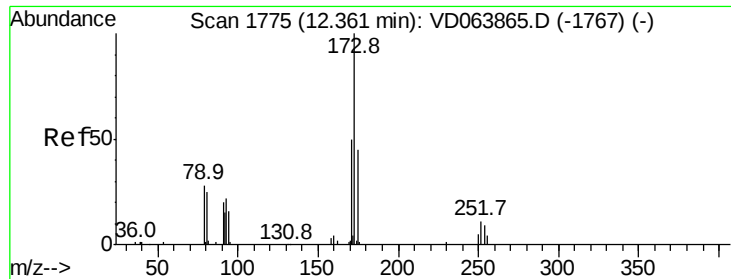
MMDadoda
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#70
Styrene
Concen: 20.592 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion:104 Resp: 139824
Ion Ratio Lower Upper
104 100
78 46.9 37.0 55.4
103 53.8 44.2 66.4





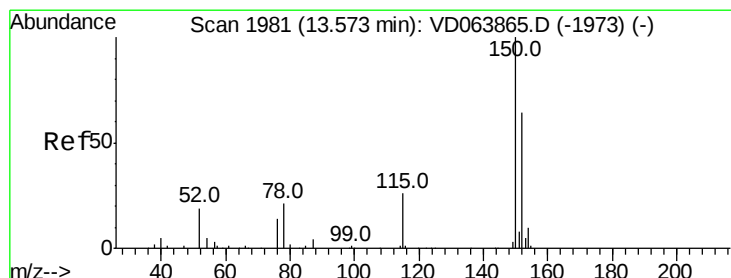
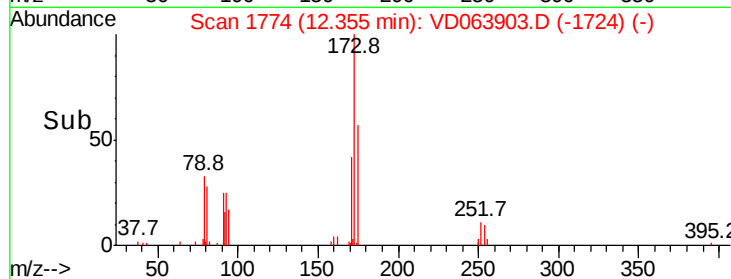
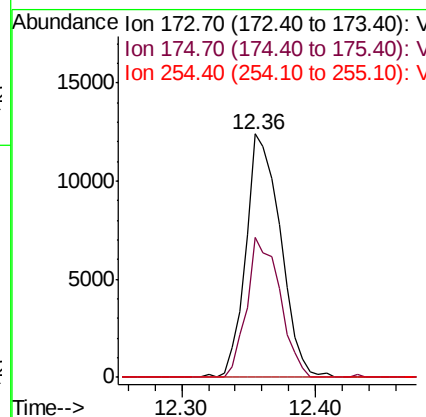
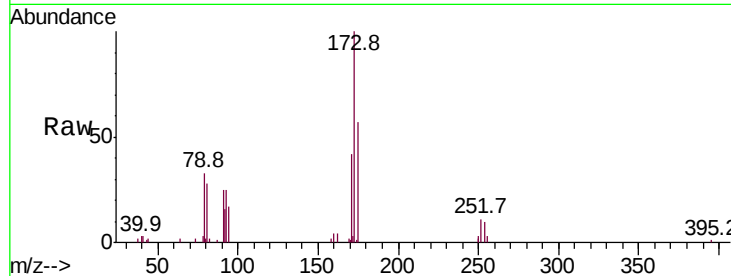
#71
Bromoform
Concen: 18.611 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	54.5	24.6	74.0
254	0.0	0.0	0.0

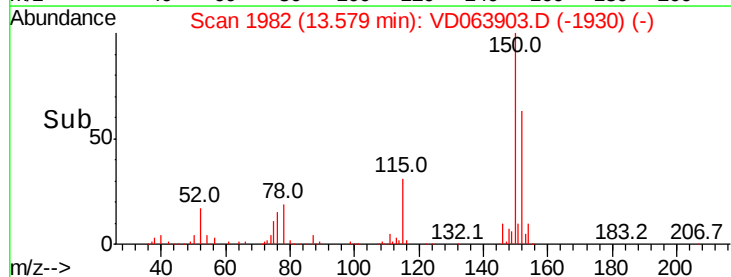
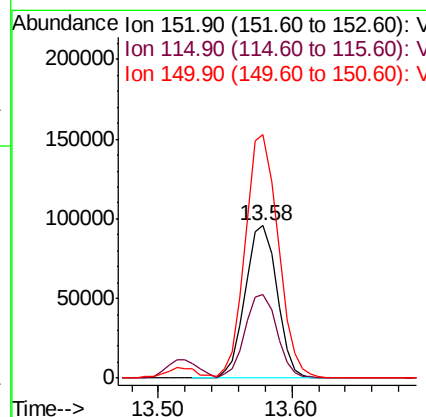
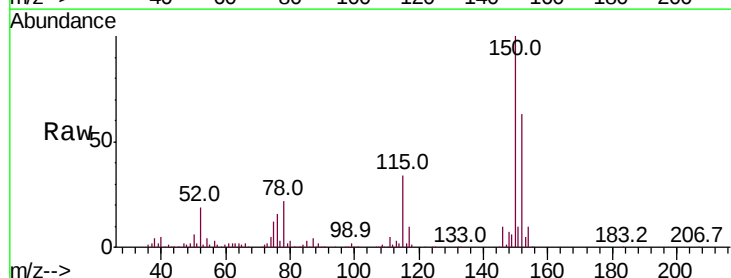
Manual Integrations
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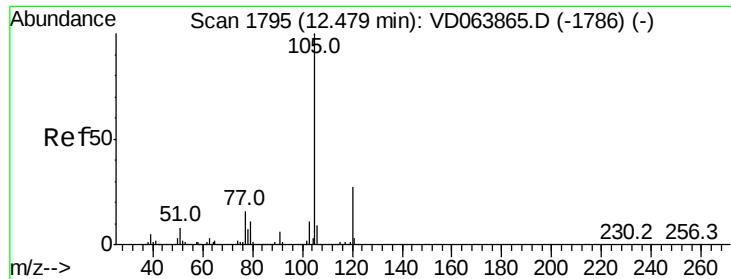
MMDadoda
10/11/2019 10:23:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	25.9	77.7
150	165.1	0.0	344.2





#73

Isopropylbenzene

Concen: 21.039 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 105 Resp: 223793

Ion Ratio Lower Upper

105 100

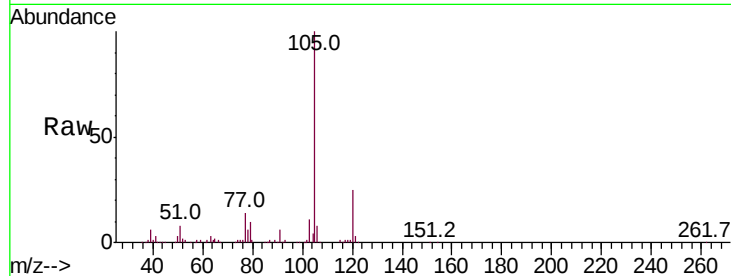
120 27.2 13.3 39.8

Manual Integrations

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MMDadoda

10/11/2019 10:23:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

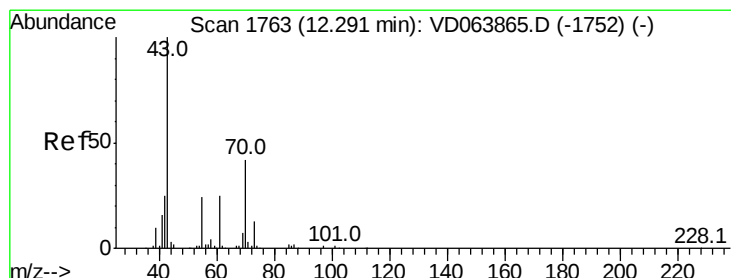
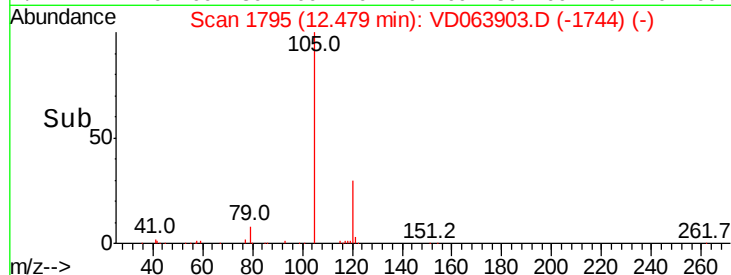
120000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 18.334 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion: 43 Resp: 41986

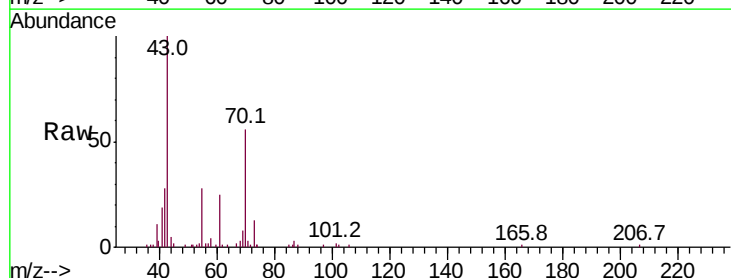
Ion Ratio Lower Upper

43 100

70 48.1 35.8 53.6

55 25.8 19.4 29.0

61 25.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

40000

30000

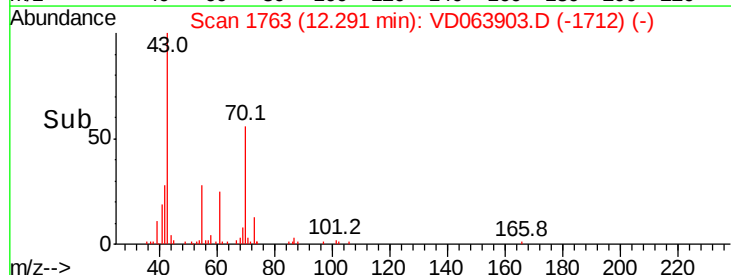
20000

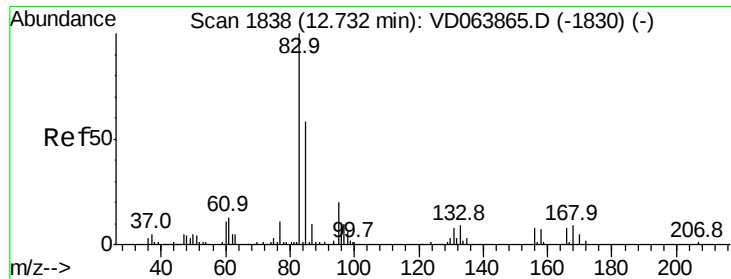
10000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.431 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

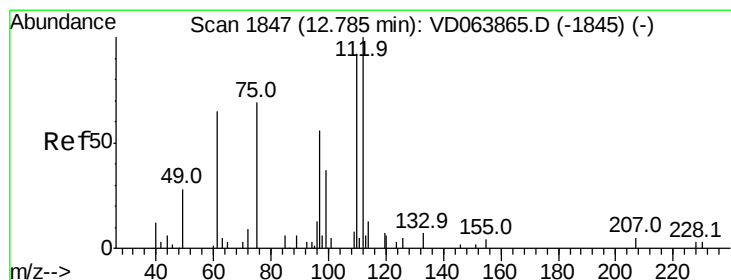
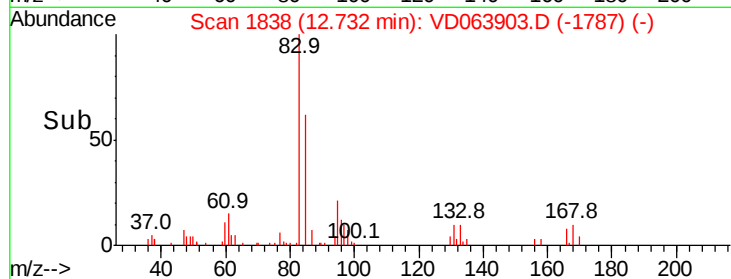
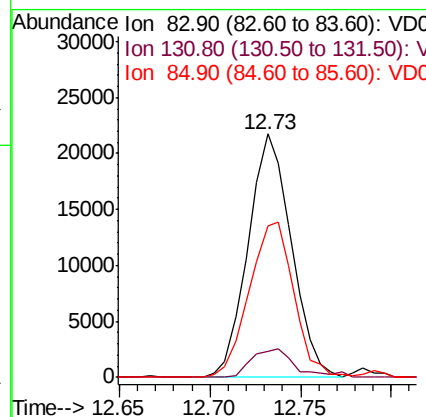
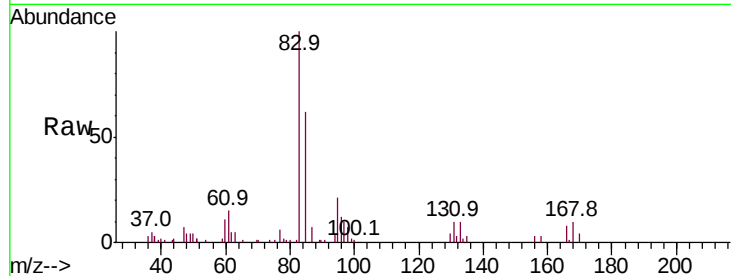
ClientSampleId :

VD1010SBS01

Tot Ion:	83	Resp:	35966
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.6	16.8
85	66.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.085 ug/l m

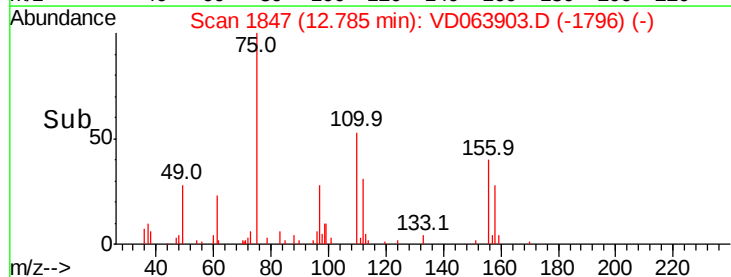
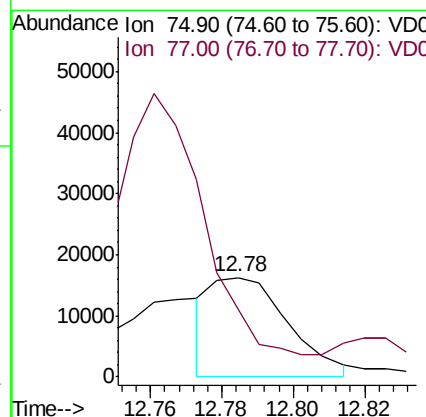
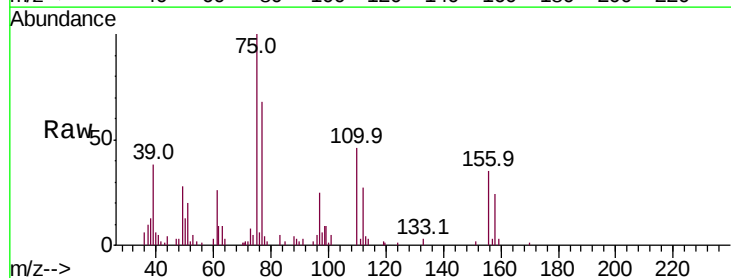
RT: 12.78 min Scan# 1847

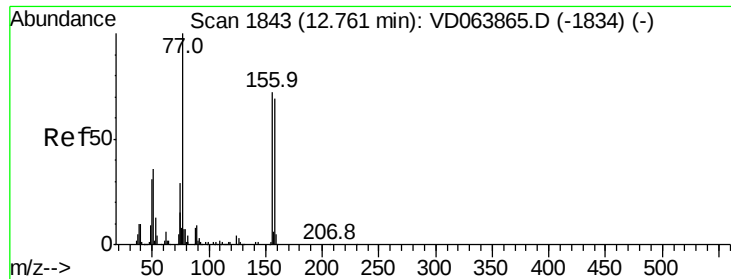
Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:	75	Resp:	24465
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.365 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:156 Resp: 53970

Ion Ratio Lower Upper

156 100

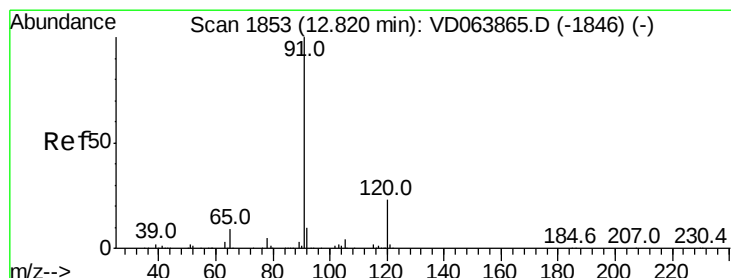
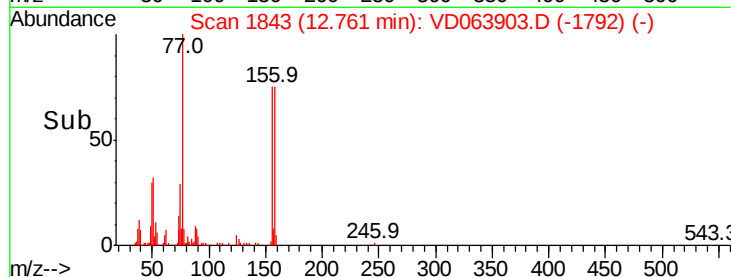
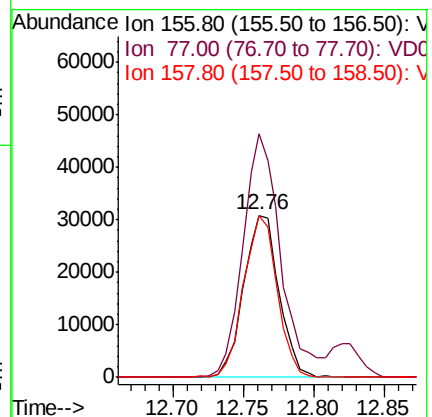
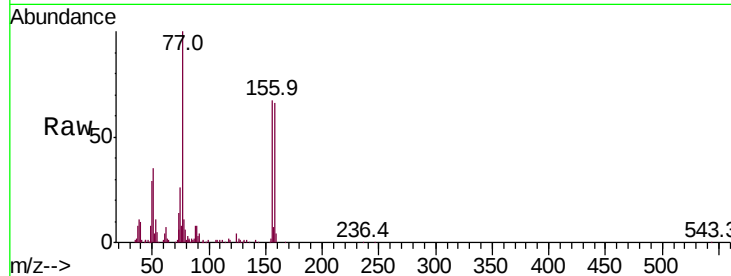
77 161.8 80.3 241.0

158 94.8 47.4 142.2

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#78

n-propylbenzene

Concen: 22.130 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063903.D

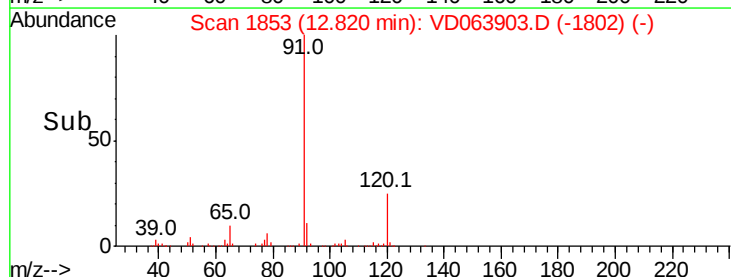
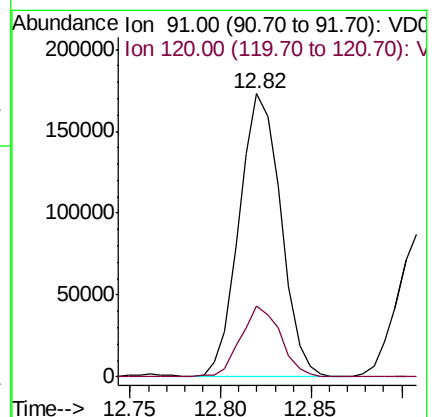
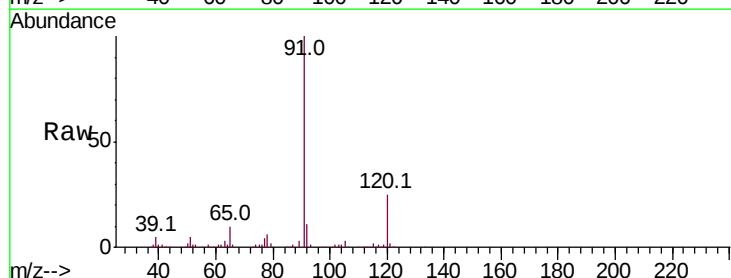
Acq: 10 Oct 2019 11:56

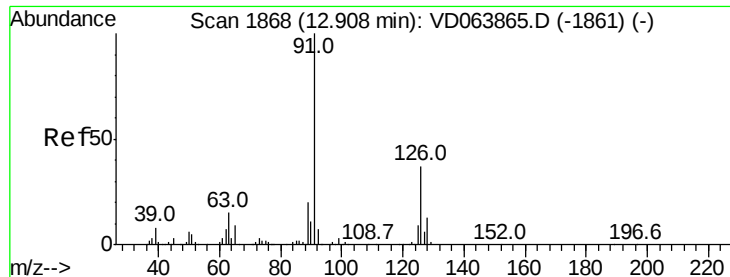
Tgt Ion: 91 Resp: 276300

Ion Ratio Lower Upper

91 100

120 23.8 12.0 36.0





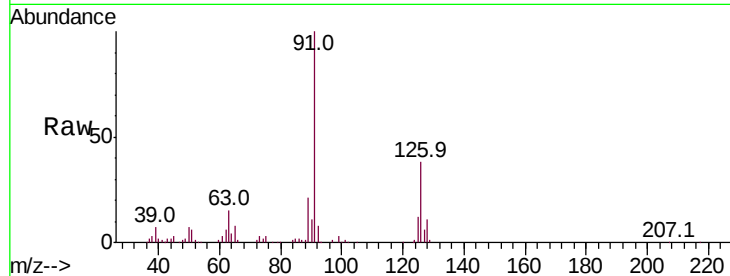
#79
2-Chlorotoluene
Concen: 21.169 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

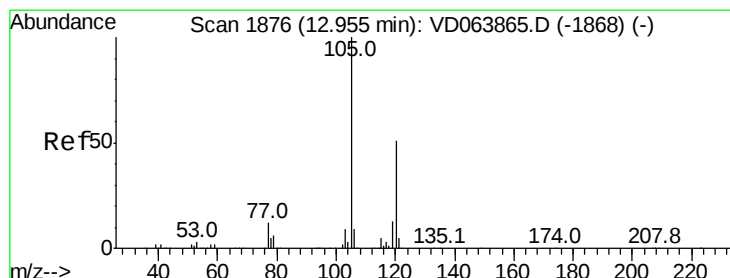
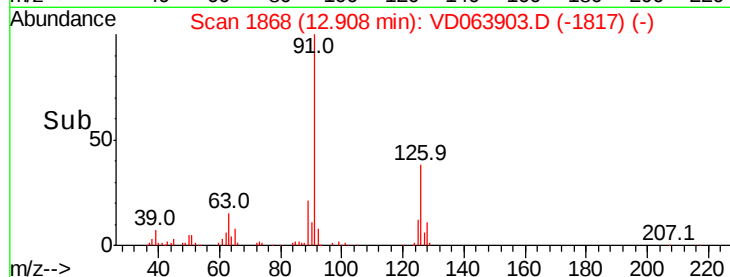
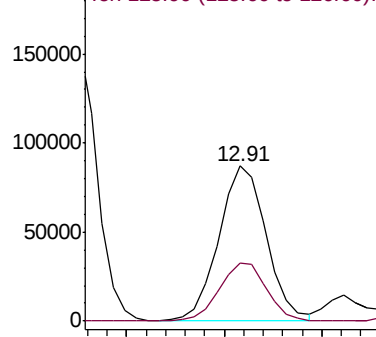
Tot Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.4	55.2

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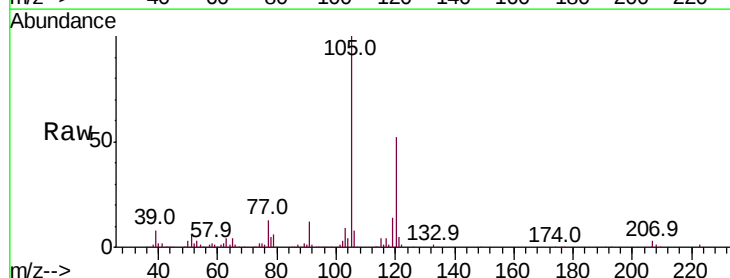


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

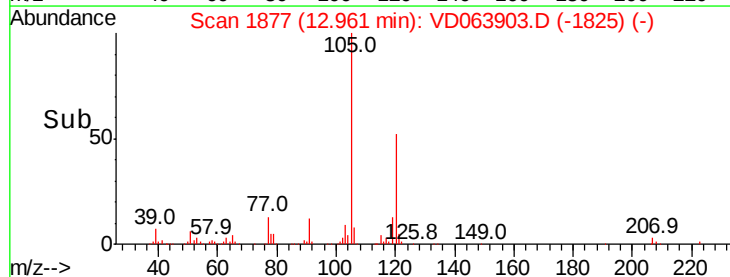
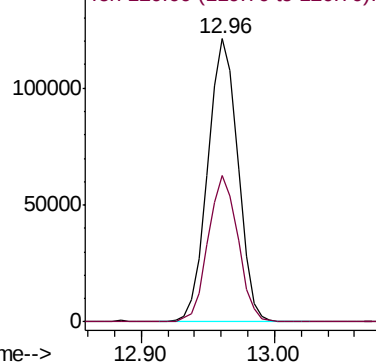


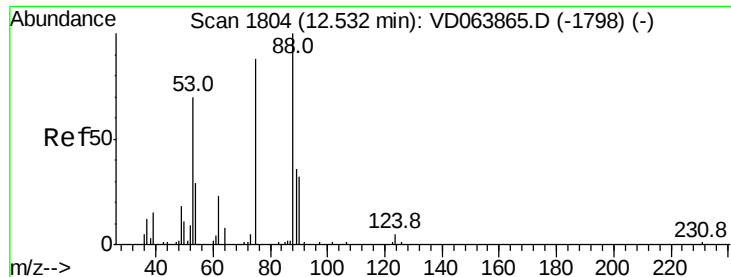
#80
1,3,5-Trimethylbenzene
Concen: 21.366 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.3	25.9	77.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





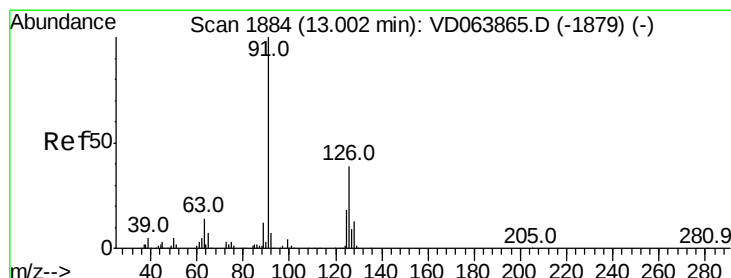
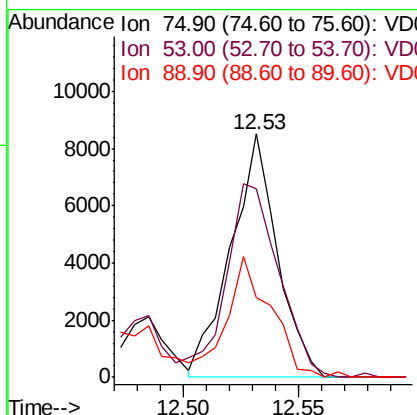
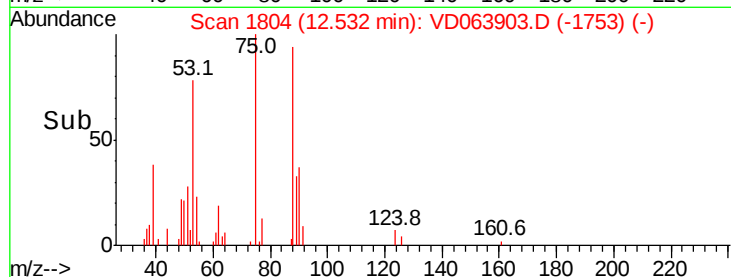
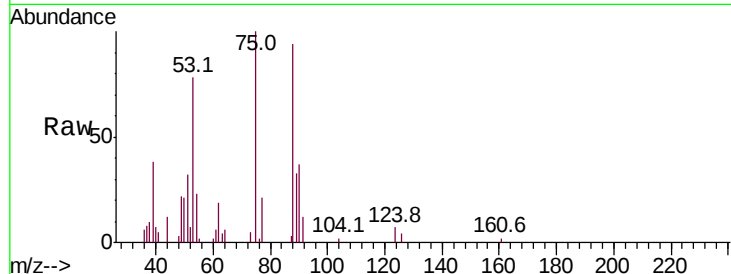
#81
trans-1,4-Dichloro-2-butene
Concen: 19.877 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	75.0	112.6
89	47.4	38.2	57.4

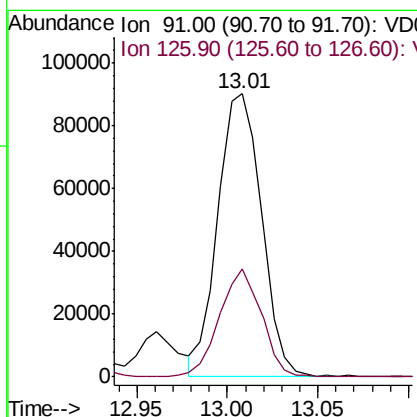
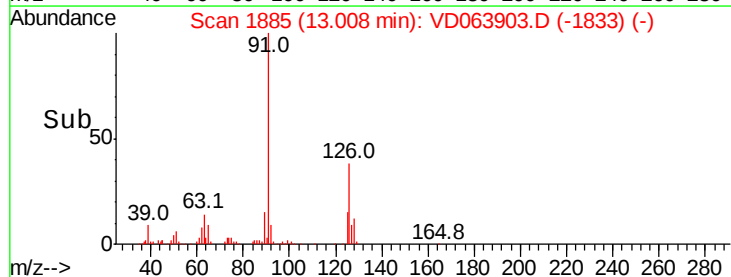
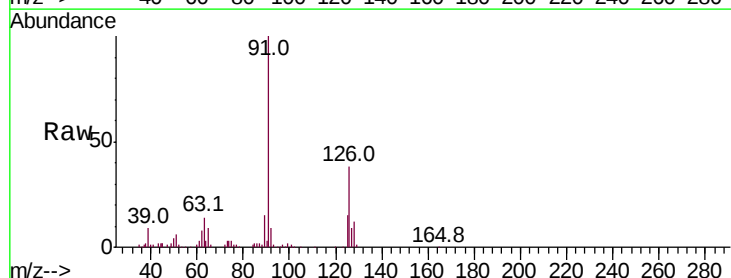
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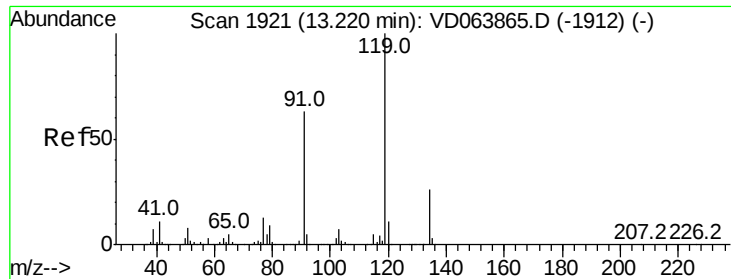
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#82
4-Chlorotoluene
Concen: 20.695 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.6	55.8





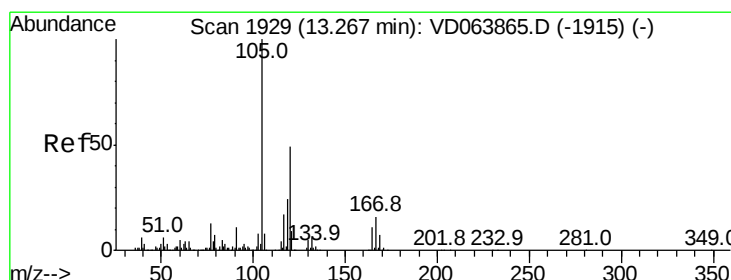
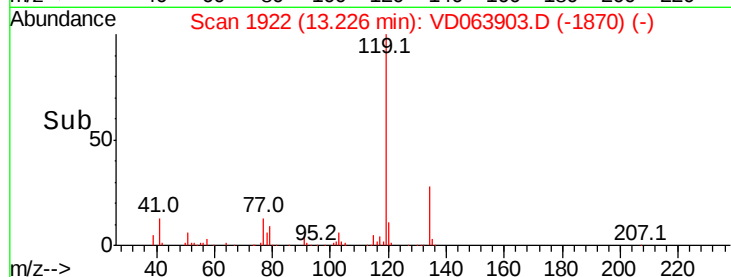
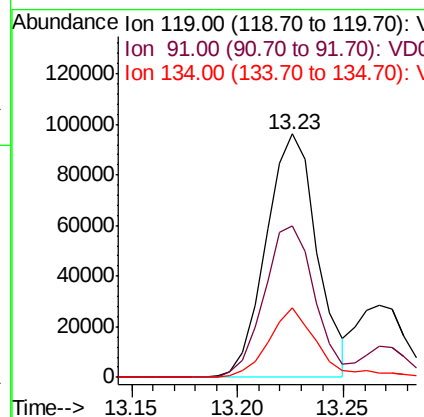
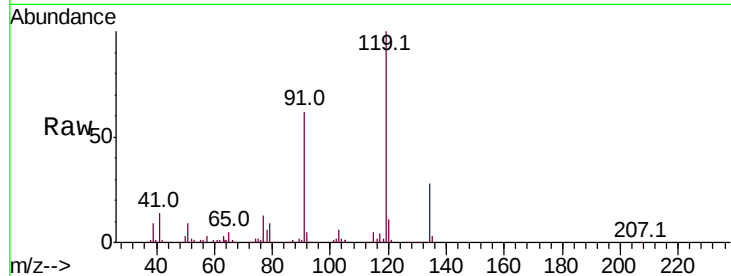
#83
tert-Butylbenzene
Concen: 20.451 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161515		
91	62.7	30.0	90.0	
134	28.0	13.0	38.9	

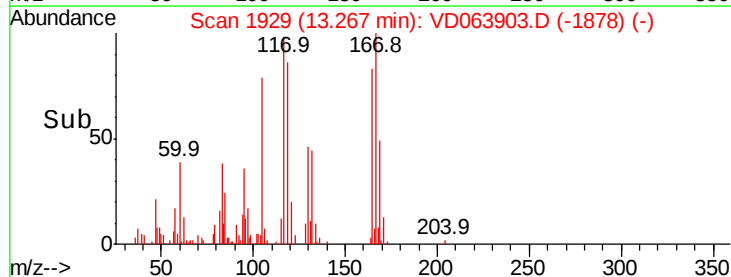
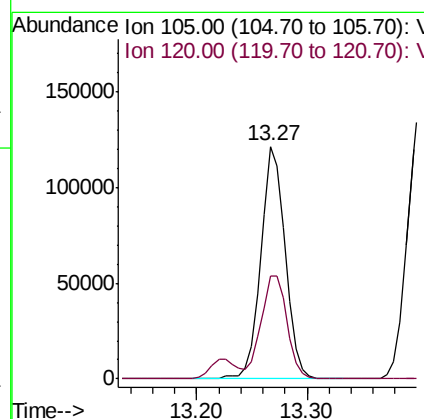
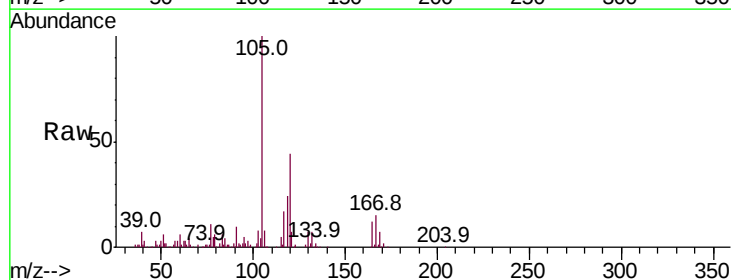
Manual Integrations
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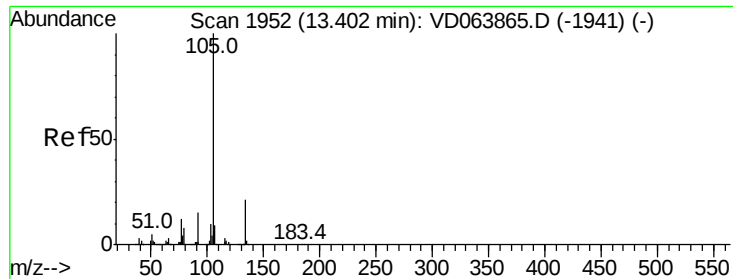
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#84
1,2,4-Trimethylbenzene
Concen: 20.597 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188435		
120	46.9	23.8	71.5	





#85

sec-Butylbenzene

Concen: 21.721 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:105 Resp: 231672

Ion Ratio Lower Upper

105 100

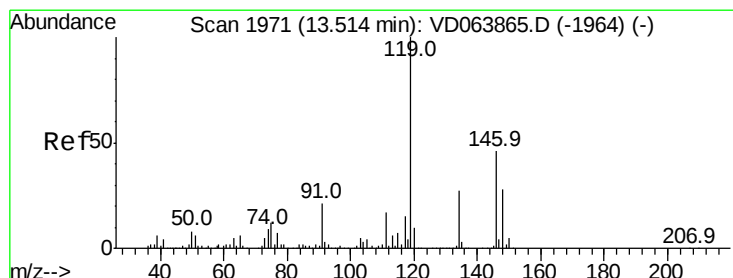
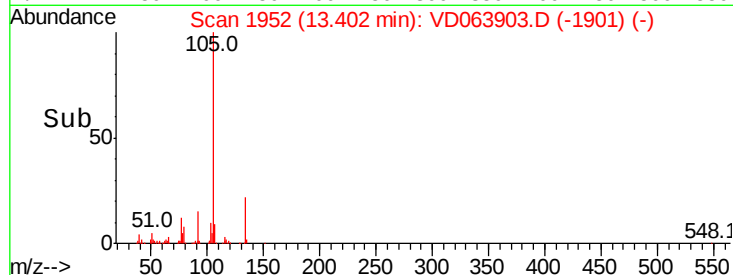
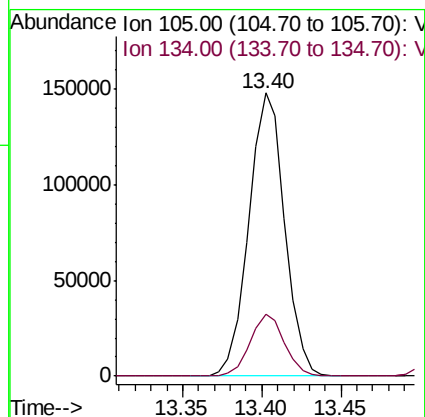
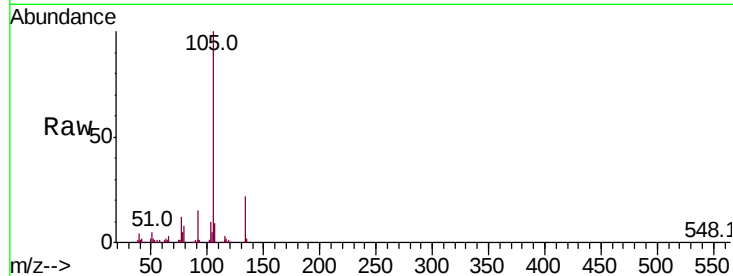
134 21.1 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 21.388 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

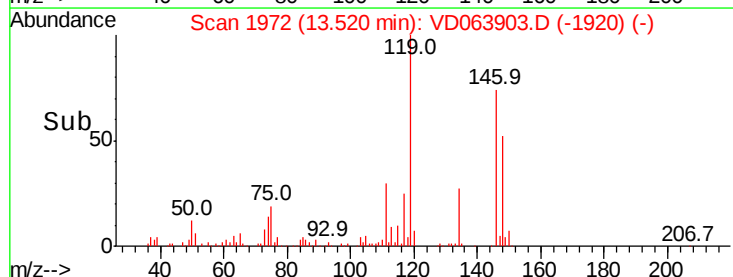
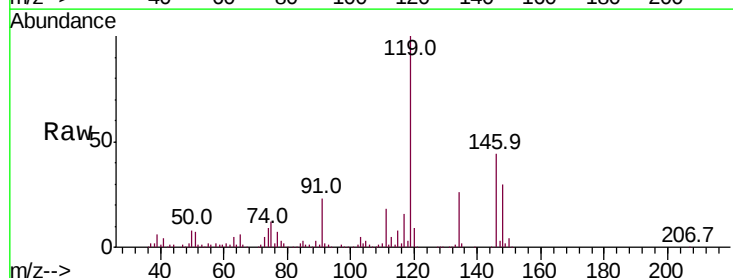
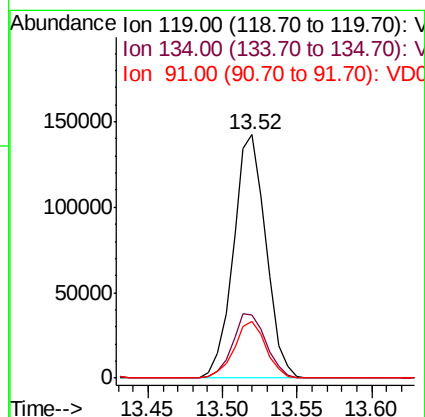
Tgt Ion:119 Resp: 215858

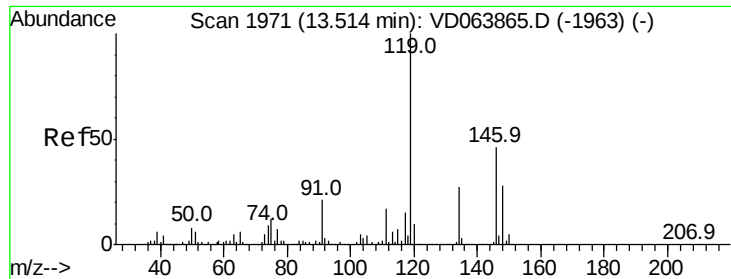
Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 22.7 11.2 33.5





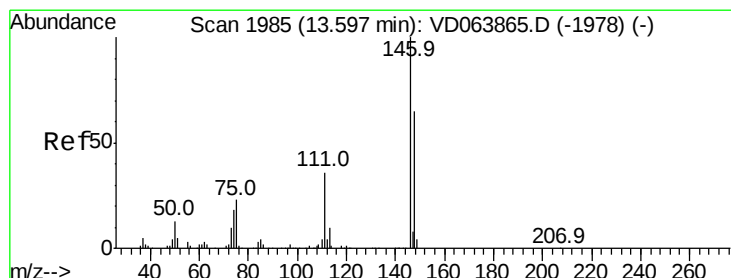
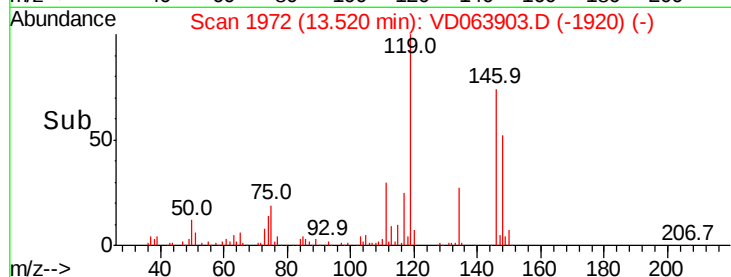
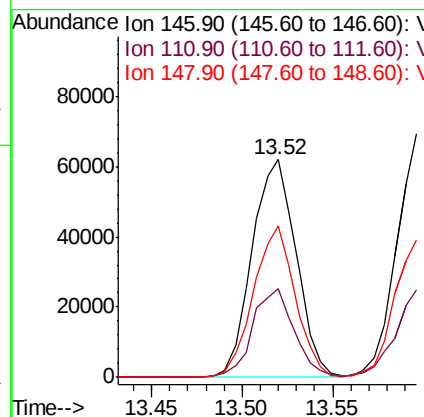
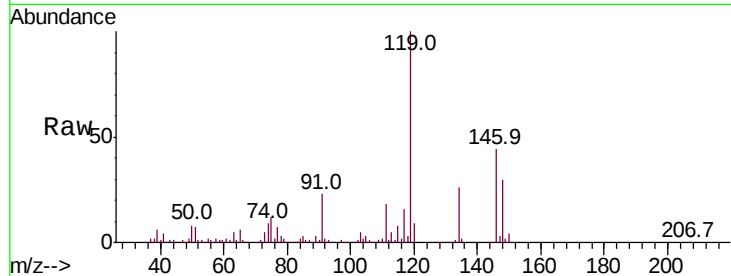
#87
 1,3-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.4	18.3	54.9	
148	65.8	31.8	95.4	

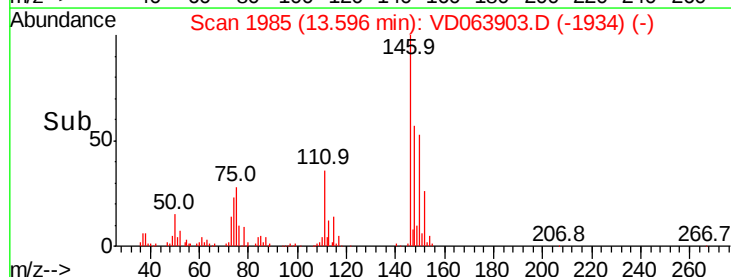
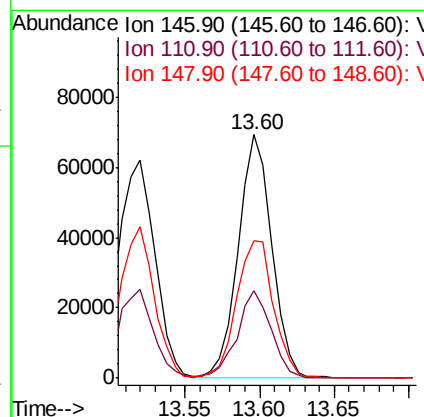
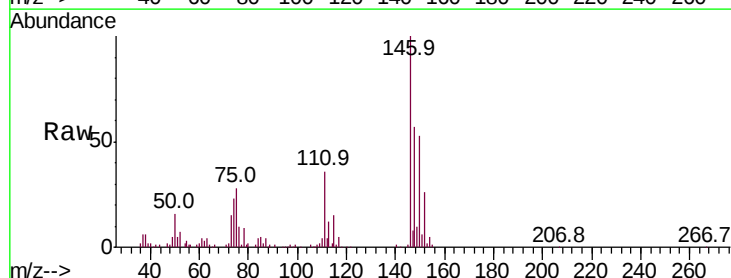
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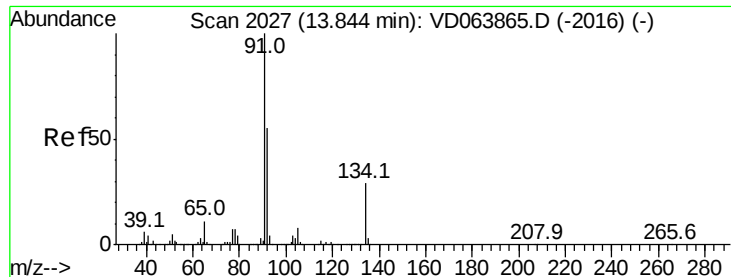
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#88
 1,4-Dichlorobenzene
 Concen: 21.034 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.4	18.6	56.0	
148	62.4	32.6	98.0	





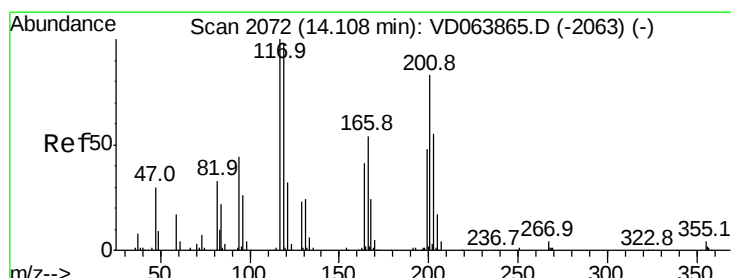
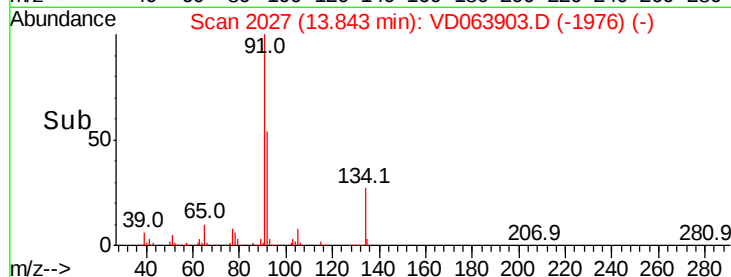
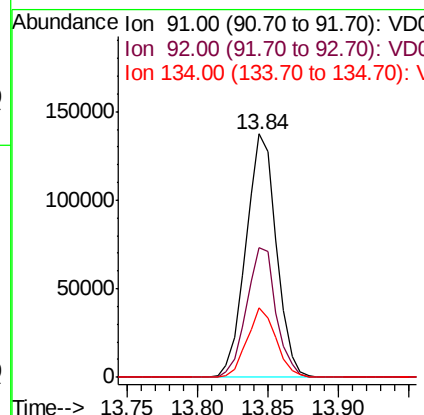
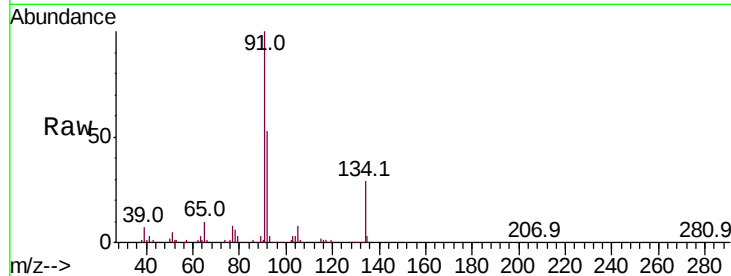
#89
n-Butylbenzene
Concen: 22.089 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207511		
92	51.9	26.8	80.3	
134	27.3	14.4	43.0	

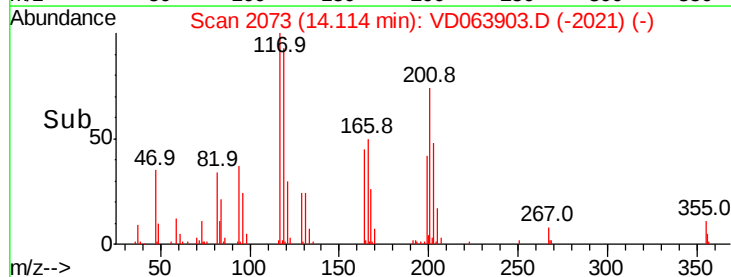
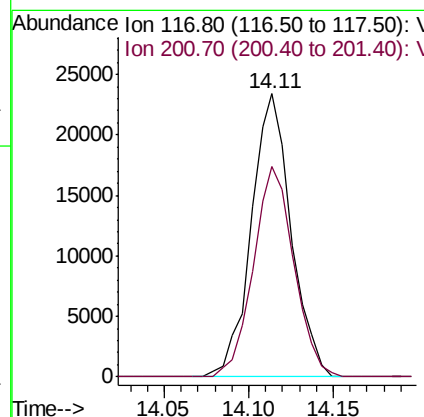
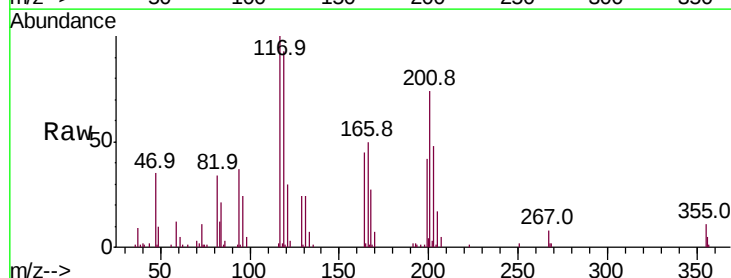
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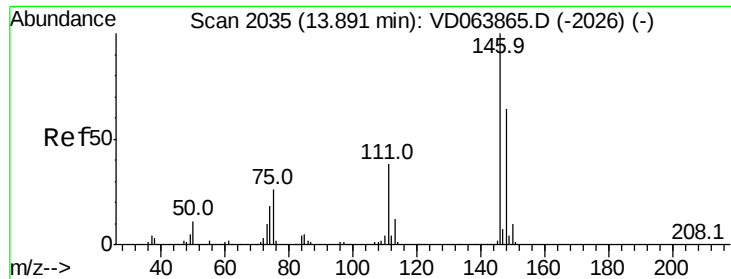
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#90
Hexachloroethane
Concen: 21.130 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38355		
201	75.8	40.6	121.7	





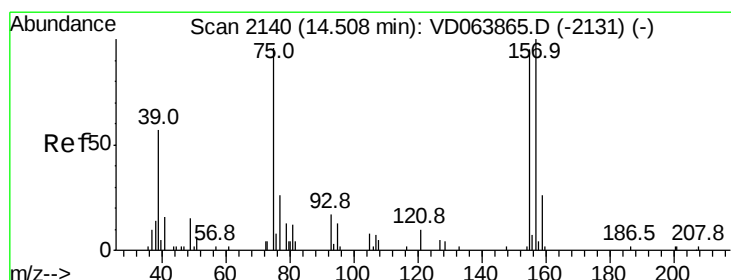
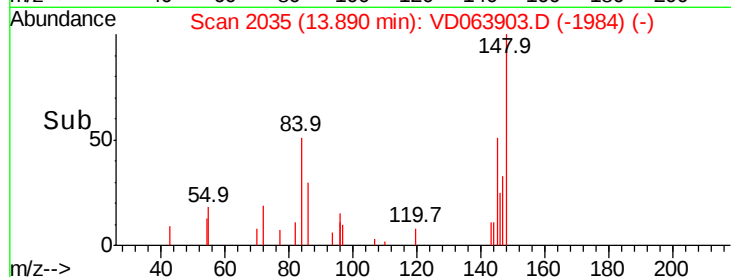
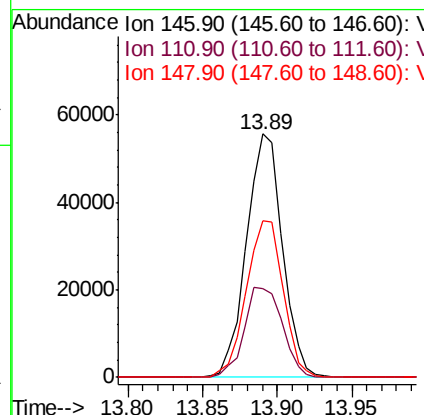
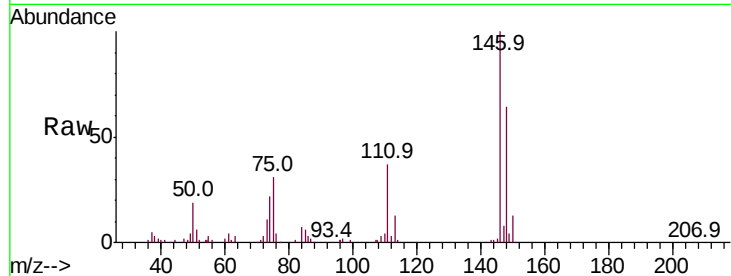
#91
 1,2-Dichlorobenzene
 Concen: 20.555 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.6	55.6
148	66.1	31.6	95.0

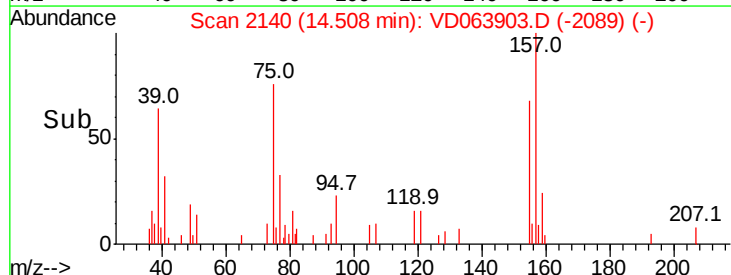
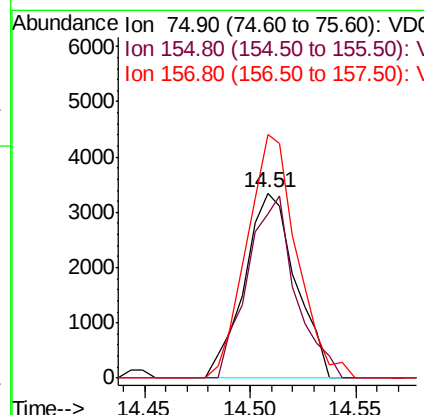
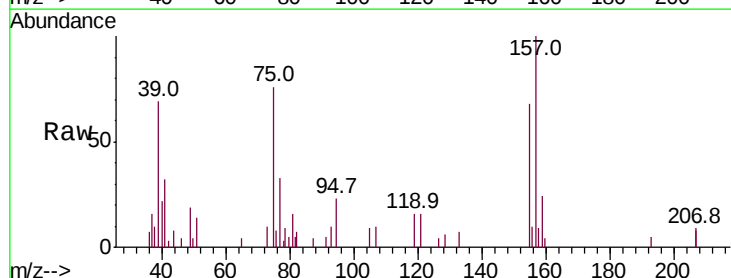
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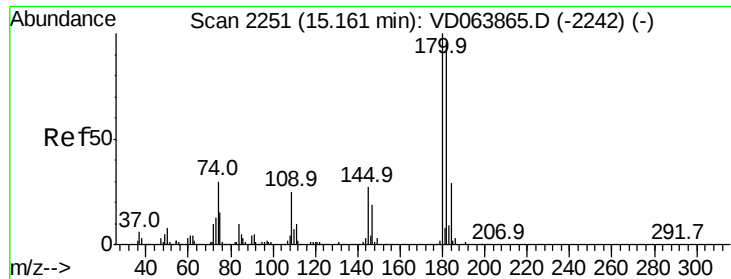
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.059 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	43.9	131.6
157	128.4	56.0	167.9





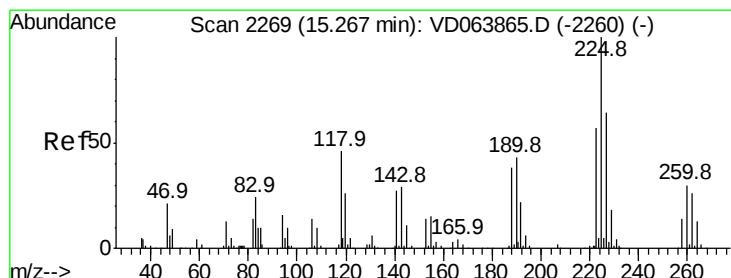
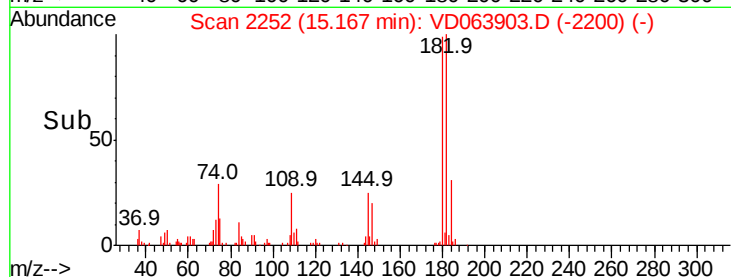
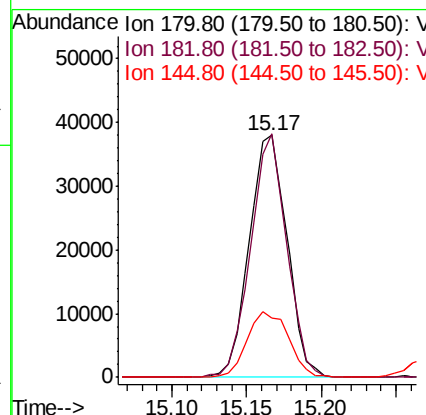
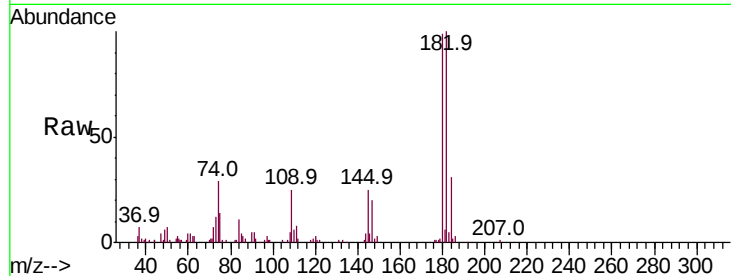
#93
 1,2,4-Trichlorobenzene
 Concen: 19.082 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.4	142.3	
145	29.7	13.9	41.7	

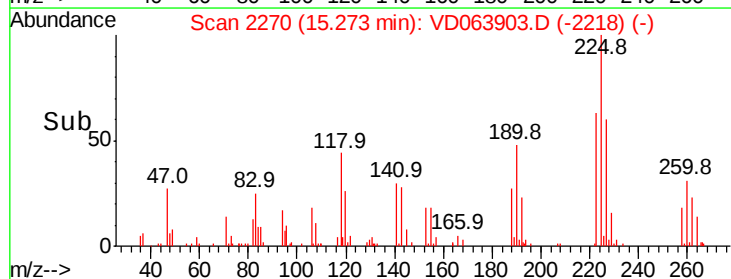
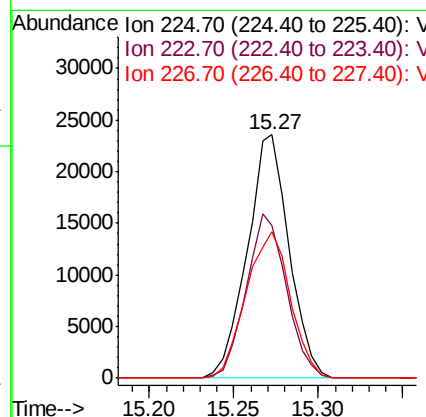
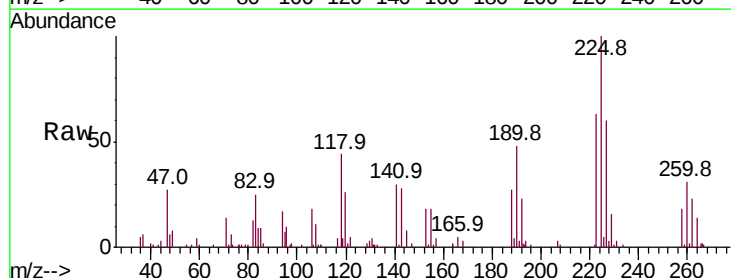
Manual Integrations
 APPROVED

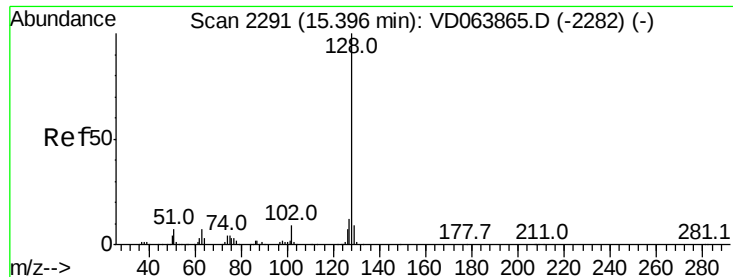
MMDadoda
 10/11/2019 10:23:59 AM



#94
 Hexachlorobutadiene
 Concen: 21.136 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.2	29.5	88.6	
227	63.3	30.8	92.4	





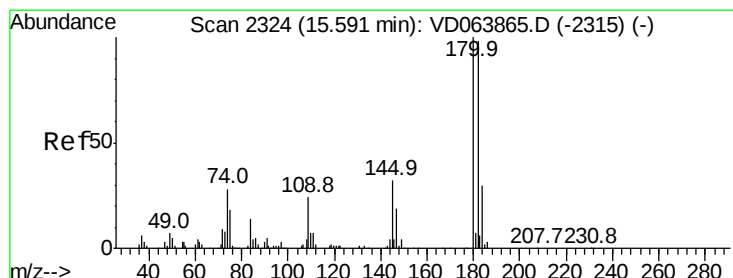
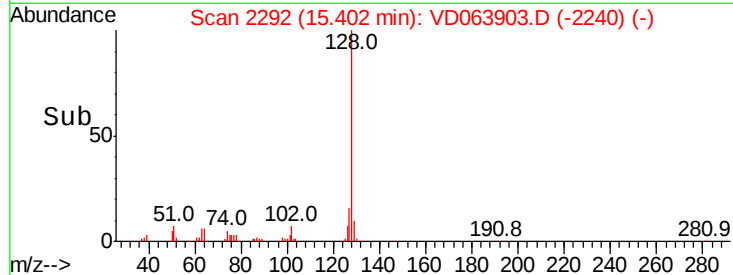
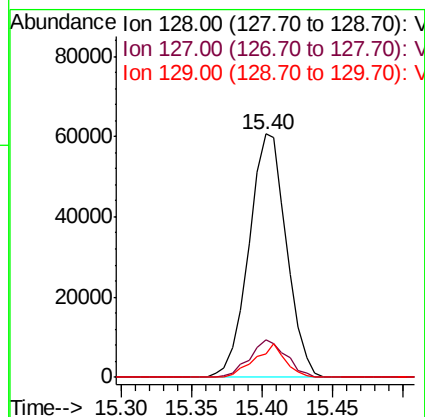
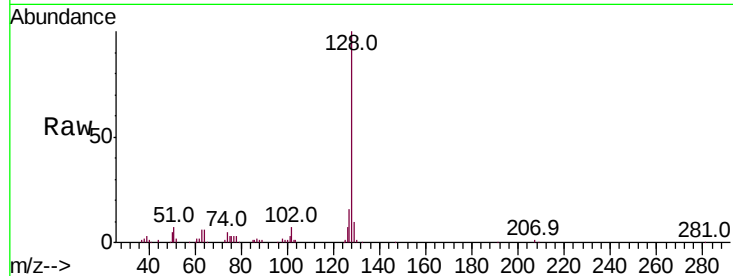
#95
Naphthalene
Concen: 19.323 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	15.0	10.6	16.0
129	11.5	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.860 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.6	47.0	141.0
145	32.6	15.3	45.9

