

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063904.D
 Acq On : 10 Oct 2019 12:23
 Operator : VA/SY
 Sample : VD1010SBSD01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 10:24:05 AM

Quant Time: Oct 11 07:51:45 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	203170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	316878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	309235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	91241	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	7.92	113	93174	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	10.34	98	394326	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.63	95	129285	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	28501	19.781	ug/l	98
3) Chloromethane	2.21	50	84584	19.019	ug/l	93
4) Vinyl Chloride	2.35	62	94230	20.235	ug/l	99
5) Bromomethane	2.76	94	57388	19.169	ug/l	91
6) Chloroethane	2.92	64	61066	19.829	ug/l #	86
7) Trichlorofluoromethane	3.27	101	130568	21.206	ug/l	99
8) Diethyl Ether	3.70	74	19260	19.489	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	37295	21.883	ug/l #	85
10) Methyl Iodide	4.30	142	44297	18.863	ug/l	98
11) Tert butyl alcohol	5.25	59	10561	71.115	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	34146	20.054	ug/l	89
13) Acrolein	3.93	56	12976	73.450	ug/l	89
14) Allyl chloride	4.71	41	53313	18.832	ug/l	98
15) Acrylonitrile	5.43	53	41316	94.827	ug/l	97
16) Acetone	4.16	43	42153	81.853	ug/l	90
17) Carbon Disulfide	4.40	76	114952	18.572	ug/l #	95
18) Methyl Acetate	4.73	43	21441	21.287	ug/l #	86
19) Methyl tert-butyl Ether	5.48	73	78116	17.717	ug/l	96
20) Methylene Chloride	4.97	84	48501	19.382	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	40911	19.300	ug/l	92
22) Diisopropyl ether	6.37	45	109677	18.970	ug/l	96
23) Vinyl Acetate	6.31	43	317352	92.270	ug/l	99
24) 1,1-Dichloroethane	6.26	63	69368	19.479	ug/l	96
25) 2-Butanone	7.22	43	53610	87.840	ug/l	96
26) 2,2-Dichloropropane	7.21	77	64406	19.993	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	44499	18.547	ug/l	97
28) Bromochloromethane	7.54	49	22649	17.969	ug/l	97
29) Tetrahydrofuran	7.58	42	32713	91.832	ug/l	96
30) Chloroform	7.71	83	74499	19.261	ug/l	96
31) Cyclohexane	7.98	56	67358	20.524	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	65546	19.755	ug/l	98
36) 1,1-Dichloropropene	8.11	75	61047	21.070	ug/l	98
37) Ethyl Acetate	7.30	43	22981	17.162	ug/l #	79
38) Carbon Tetrachloride	8.10	117	59610	20.360	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75343	21.150	ug/l	93
40) Benzene	8.36	78	165515	19.935	ug/l	96
41) Methacrylonitrile	7.53	41	14372	21.396	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	46803	19.487	ug/l	97
43) Isopropyl Acetate	8.46	43	44744	18.415	ug/l	99
44) Trichloroethene	9.11	130	47011	19.635	ug/l	100
45) 1,2-Dichloropropane	9.40	63	41167	20.257	ug/l #	86
46) Dibromomethane	9.48	93	22031	19.035	ug/l	99
47) Bromodichloromethane	9.67	83	56832	19.072	ug/l	94
48) Methyl methacrylate	9.46	41	21037	18.070	ug/l	95
49) 1,4-Dioxane	9.46	88	6186	391.564	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	119729	95.013	ug/l	97
52) Toluene	10.40	92	118496	20.790	ug/l	94
53) t-1,3-Dichloropropene	10.62	75	54127	18.615	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	63157	18.869	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30800	18.848	ug/l	93
56) Ethyl methacrylate	10.67	69	36842	17.803	ug/l	96
57) 1,3-Dichloropropane	10.95	76	52208	18.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	78517	88.268	ug/l	100
59) 2-Hexanone	10.99	43	82100	90.067	ug/l	99
60) Dibromochloromethane	11.14	129	38149	17.931	ug/l	97
61) 1,2-Dibromoethane	11.25	107	30700	19.378	ug/l	96
64) Tetrachloroethene	10.88	164	44021	20.852	ug/l	92
65) Chlorobenzene	11.67	112	126439	20.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	43301	18.922	ug/l	98
67) Ethyl Benzene	11.74	91	223716	19.978	ug/l	96
68) m/p-Xylenes	11.86	106	177286	41.016	ug/l	99
69) o-Xylene	12.18	106	81460	19.682	ug/l	99
70) Styrene	12.20	104	138814	19.812	ug/l	98
71) Bromoform	12.36	173	22561	18.371	ug/l #	93
73) Isopropylbenzene	12.48	105	224517	20.674	ug/l	100
74) N-amyl acetate	12.29	43	44607	19.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	36264	19.190	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	28888m	26.699	ug/l	
77) Bromobenzene	12.76	156	53345	19.716	ug/l	98
78) n-propylbenzene	12.82	91	266096	20.875	ug/l	98
79) 2-Chlorotoluene	12.91	91	140653	20.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	186849	20.623	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10960	17.925	ug/l	97
82) 4-Chlorotoluene	13.01	91	151337	20.297	ug/l	98
83) tert-Butylbenzene	13.23	119	163297	20.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	190599	20.406	ug/l	98
85) sec-Butylbenzene	13.40	105	226350	20.787	ug/l	100
86) p-Isopropyltoluene	13.51	119	210731	20.451	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	104234	19.497	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	111993	21.234	ug/l	95
89) n-Butylbenzene	13.84	91	203360	21.202	ug/l	99
90) Hexachloroethane	14.11	117	36554	19.724	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	92277	20.029	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5516	17.173	ug/l	76

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ClientSampleId :
VD1010SBSD01

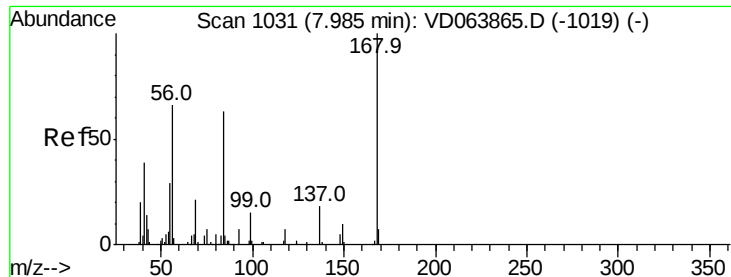
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68158	19.173	ug/l	99
94) Hexachlorobutadiene	15.27	225	38390	19.570	ug/l	95
95) Naphthalene	15.40	128	115476	19.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58579	19.099	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:168 Resp: 203170

Ion Ratio Lower Upper

168 100

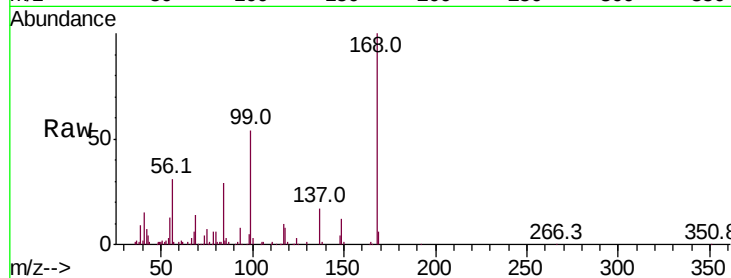
99 53.5 43.0 64.4

Manual Integrations

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10/11/2019 10:24:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

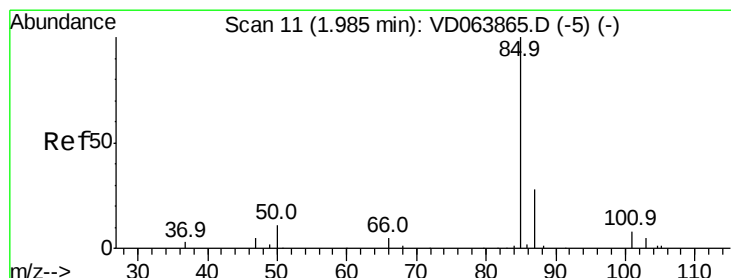
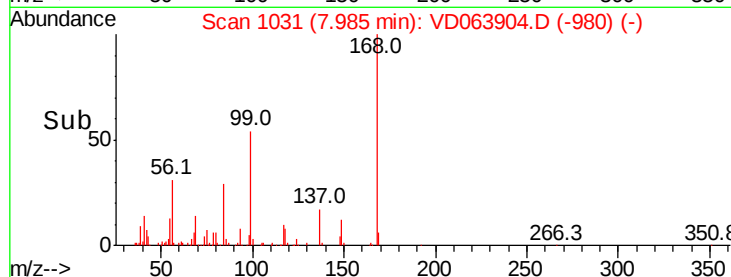
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.781 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063904.D

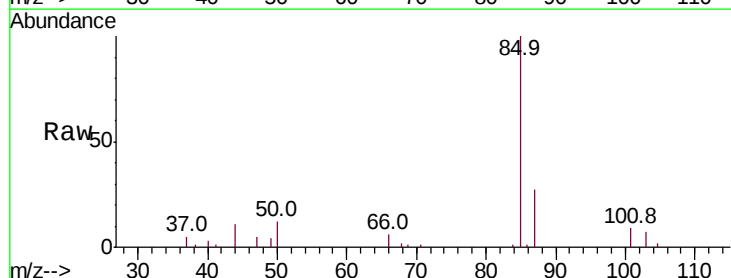
Acq: 10 Oct 2019 12:23

Tgt Ion: 85 Resp: 28501

Ion Ratio Lower Upper

85 100

87 26.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

25000

20000

15000

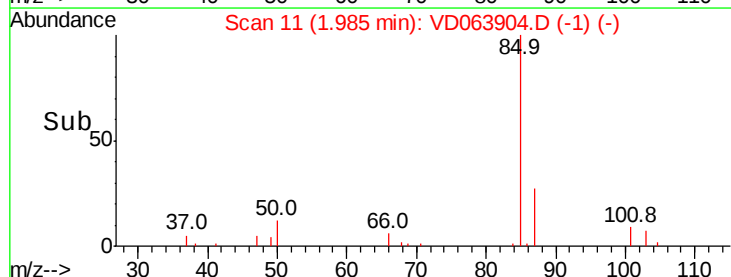
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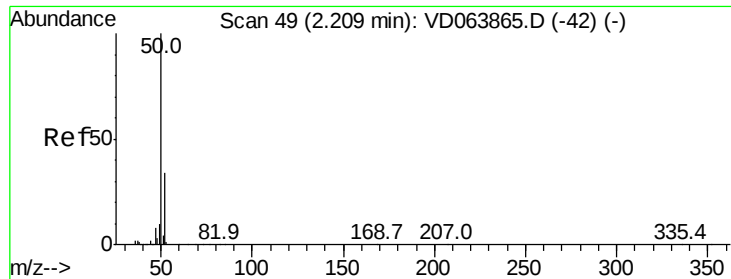
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0

1.90 1.95 2.00 2.05

Time-->





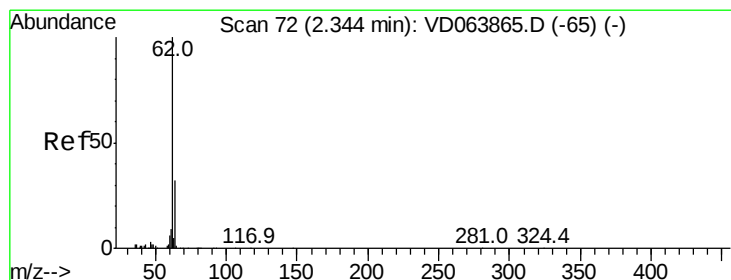
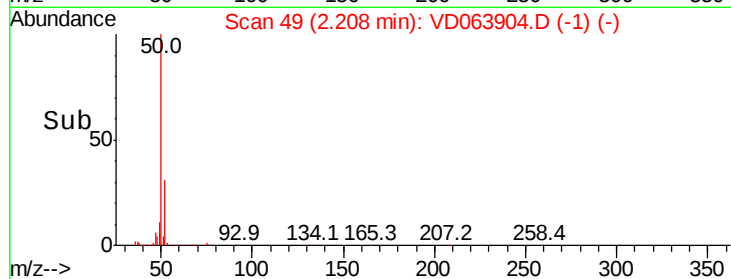
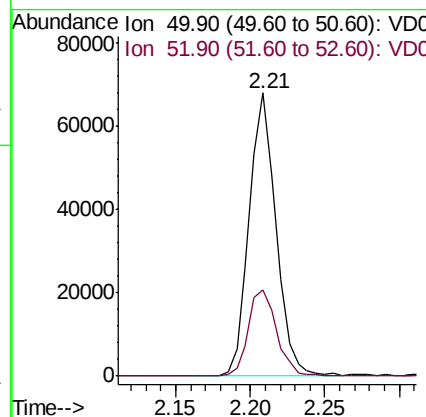
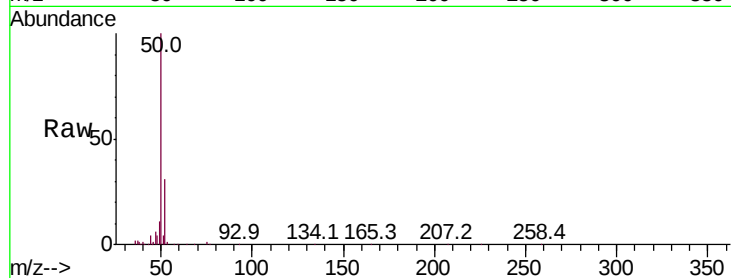
#3
Chloromethane
Concen: 19.019 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 50 Resp: 84584
Ion Ratio Lower Upper
50 100
52 30.6 27.5 41.3

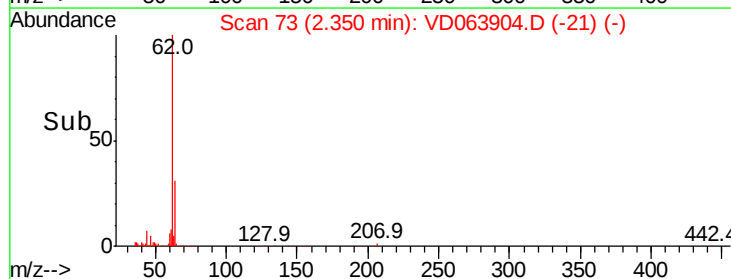
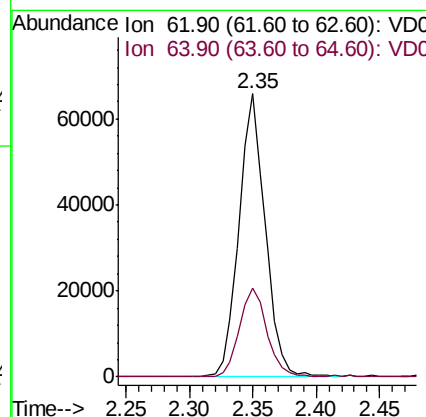
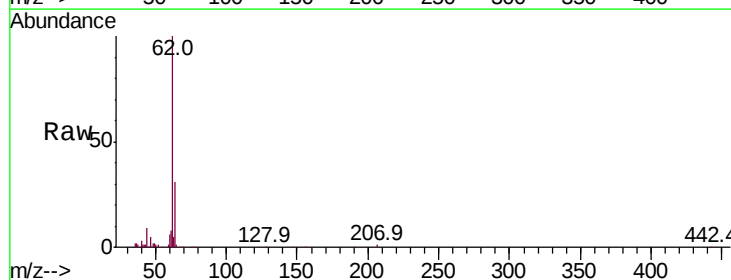
Manual Integrations
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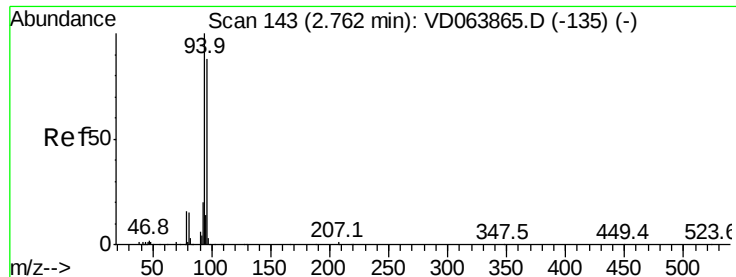
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#4
Vinyl Chloride
Concen: 20.235 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion: 62 Resp: 94230
Ion Ratio Lower Upper
62 100
64 31.3 25.4 38.0





#5

Bromomethane

Concen: 19.169 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

Tot Ion: 94 Resp: 57388

Ion Ratio Lower Upper

94 100

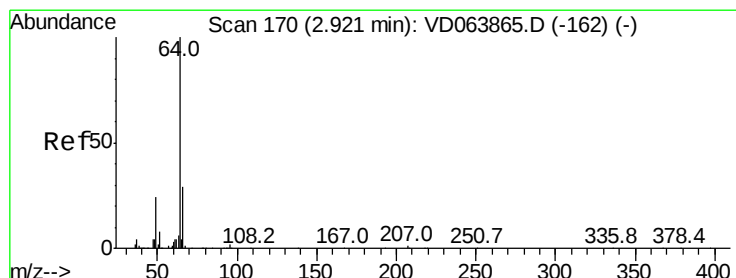
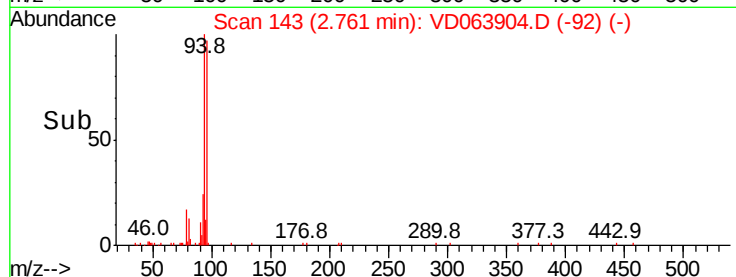
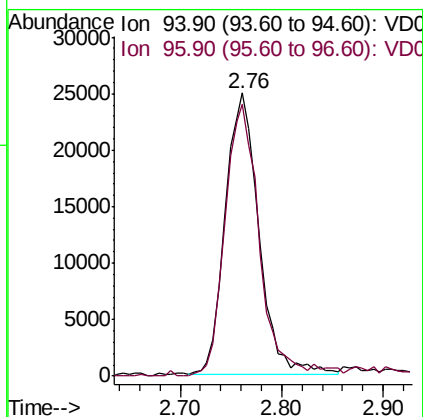
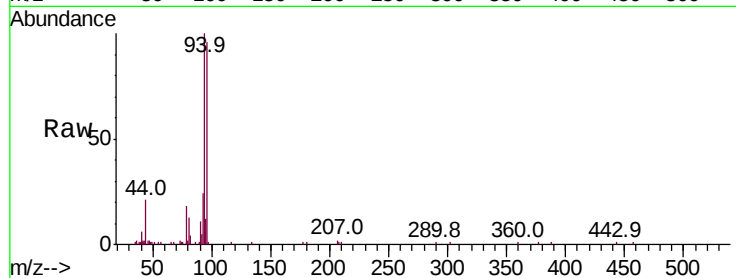
96 96.6 70.8 106.2

Manual Integrations

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10/11/2019 10:24:05 AM



#6

Chloroethane

Concen: 19.829 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063904.D

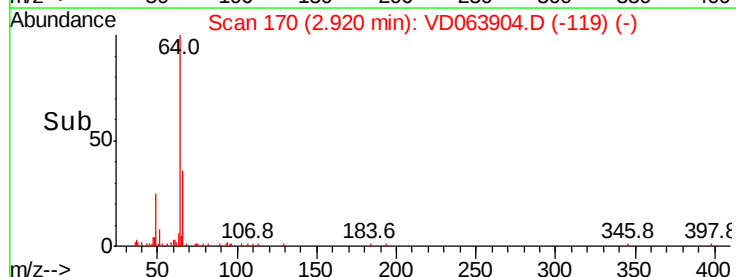
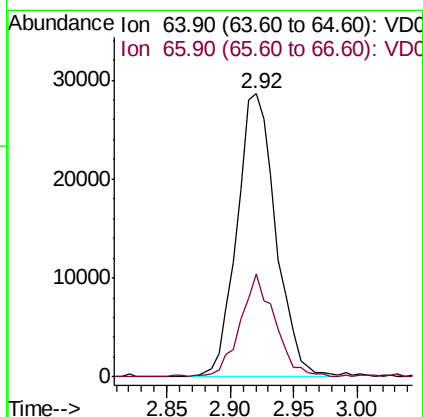
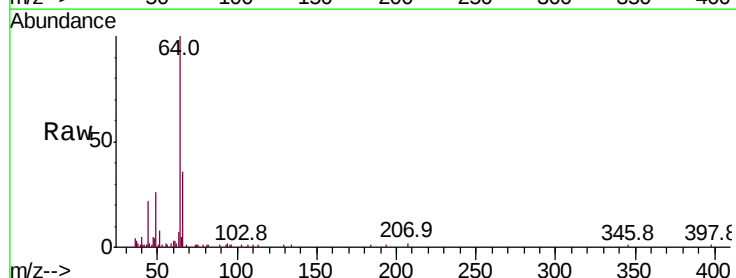
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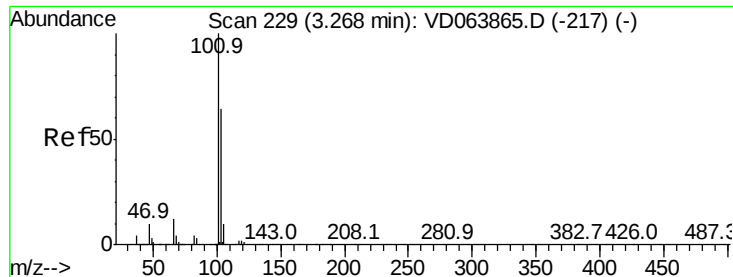
Tgt Ion: 64 Resp: 61066

Ion Ratio Lower Upper

64 100

66 36.2 23.0 34.4#





#7

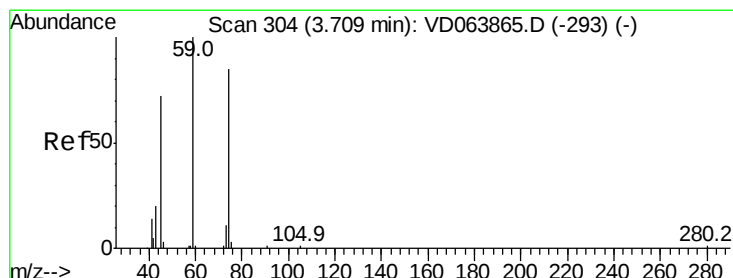
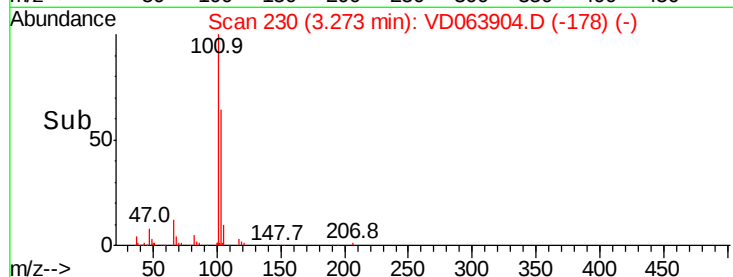
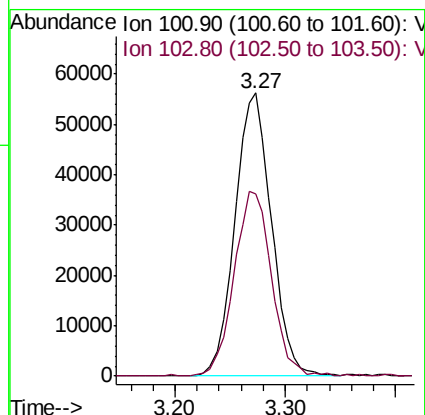
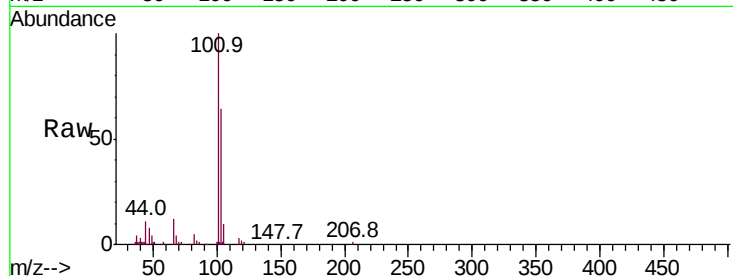
Trichlorofluoromethane
 Concen: 21.206 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.1	76.7

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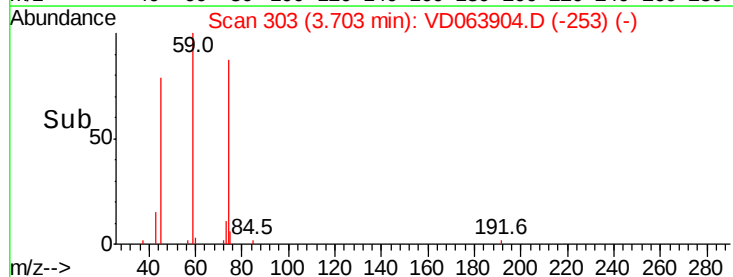
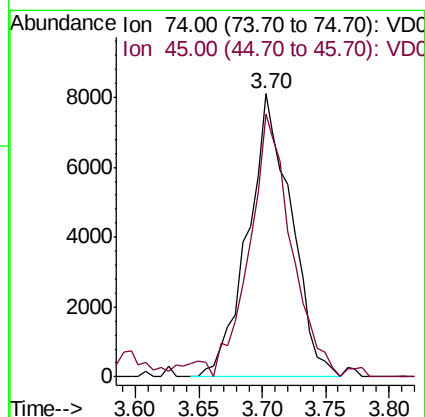
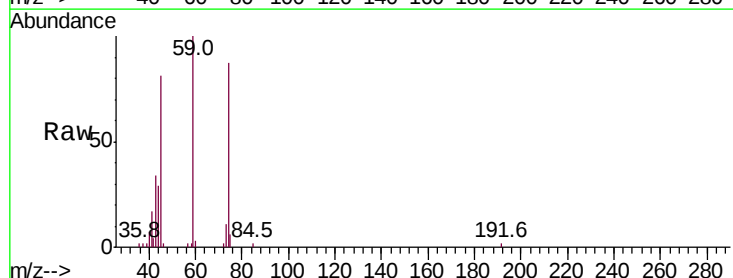
MMDadoda
 10/11/2019 10:24:05 AM

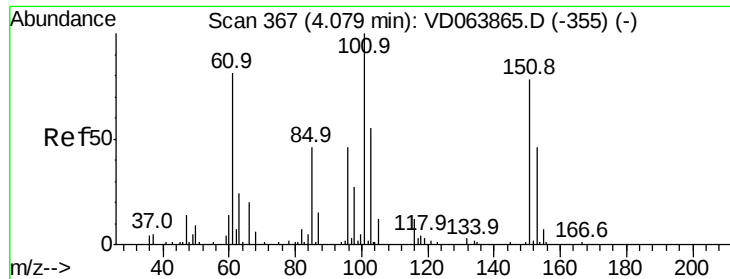


#8

Diethyl Ether
 Concen: 19.489 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.883 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

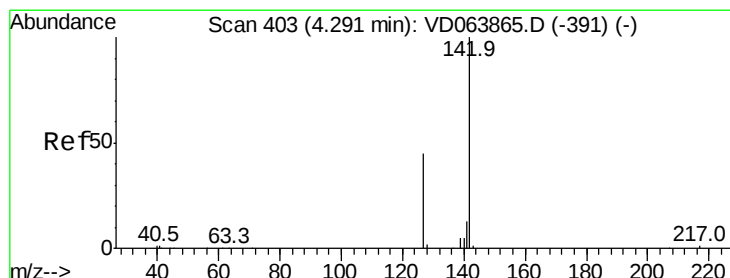
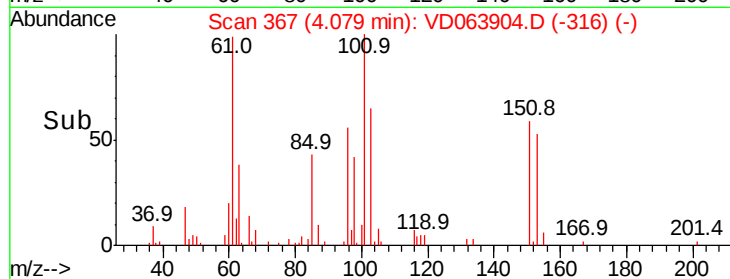
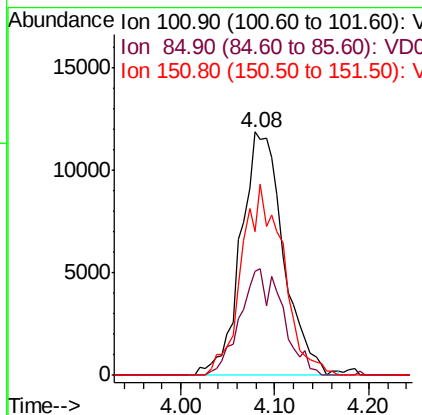
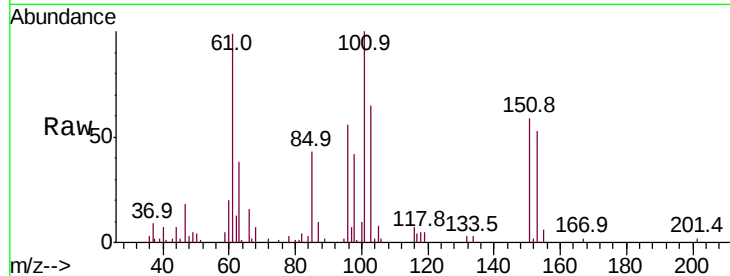
ClientSampleId :

VD1010SBS01

Tot Ion:	101	Resp:	37295
Ion Ratio	Lower	Upper	
101	100		
85	26.6	37.5	56.3#
151	76.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.863 ug/l

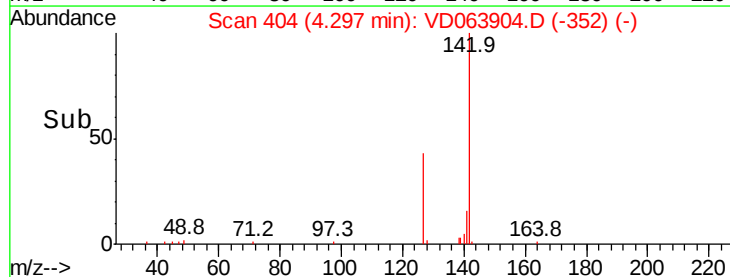
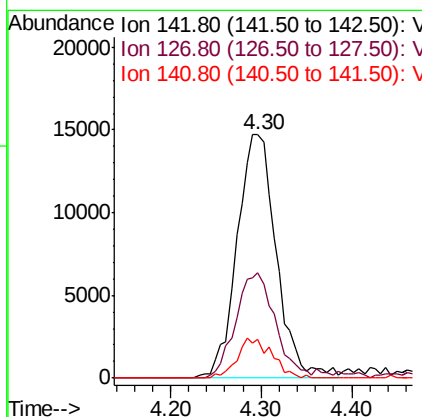
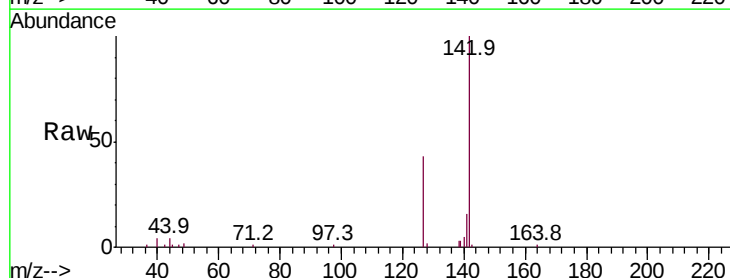
RT: 4.30 min Scan# 404

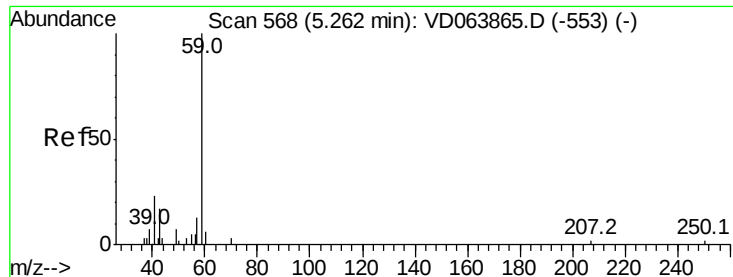
Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion:	142	Resp:	44297
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.3	52.9
141	14.7	12.2	18.2





#11

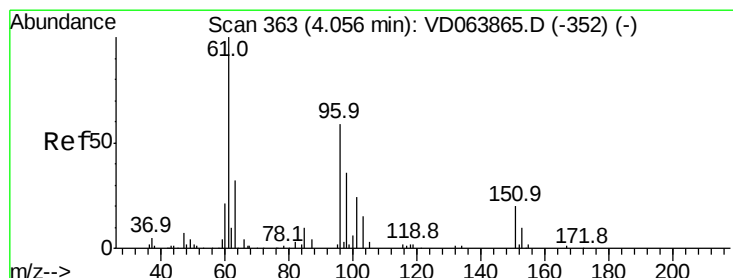
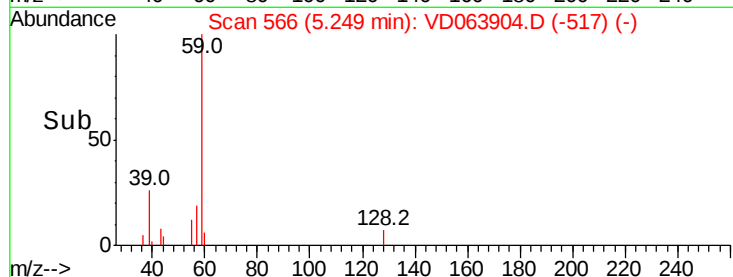
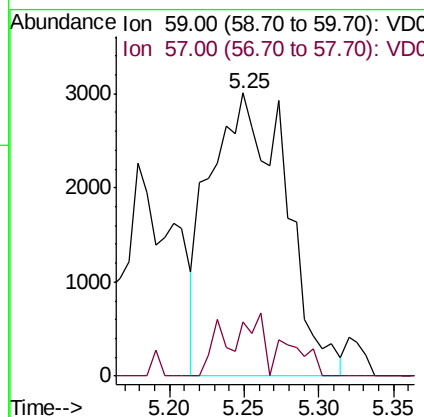
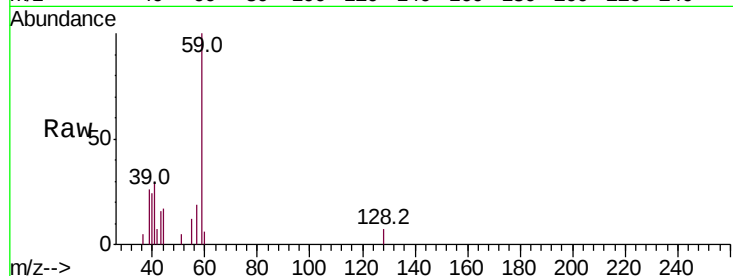
Tert butyl alcohol
Concen: 71.115 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.8	13.2#

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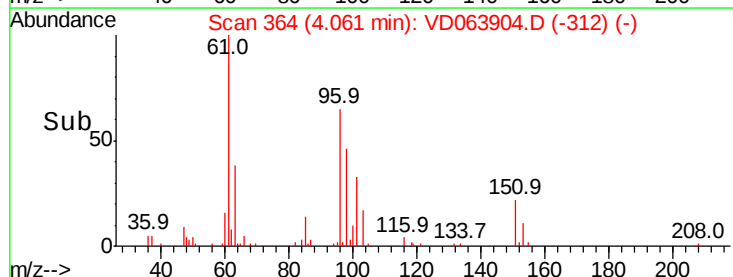
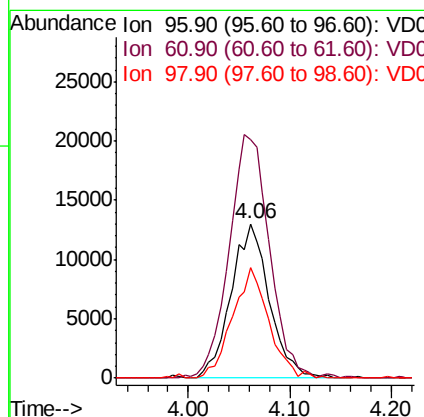
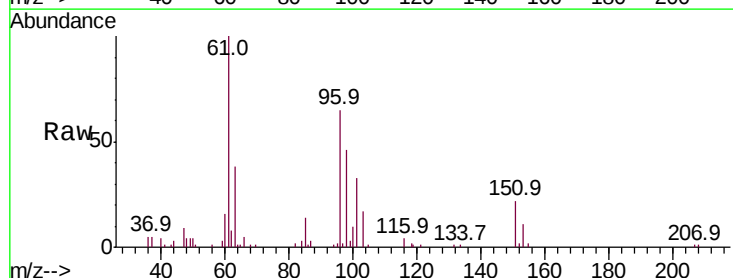
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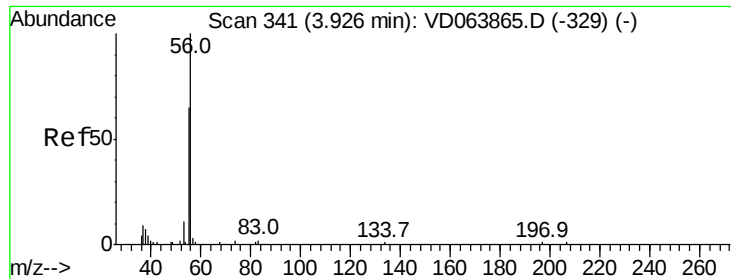


#12

1,1-Dichloroethene
Concen: 20.054 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	135.6	203.4
98	71.7	49.2	73.8





#13

Acrolein

Concen: 73.450 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

Tot Ion: 56 Resp: 12976

Ion Ratio Lower Upper

56 100

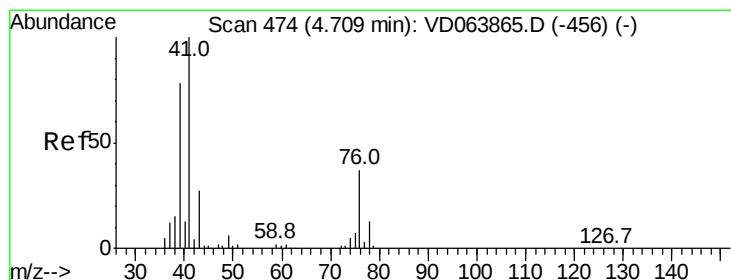
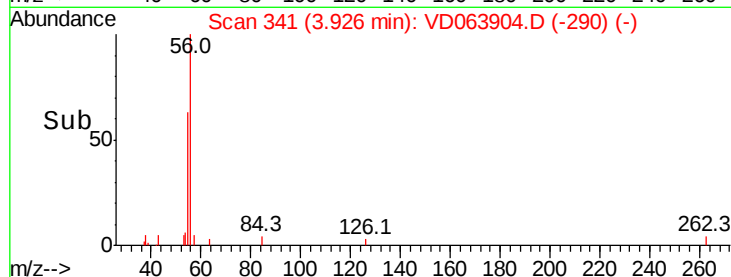
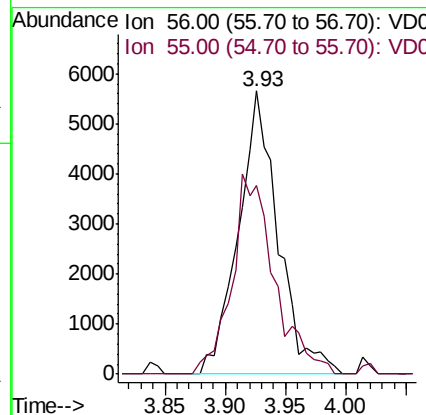
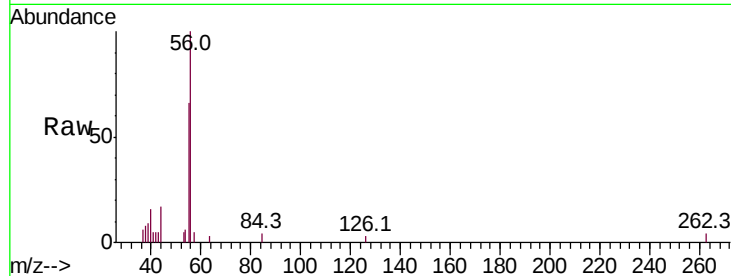
55 75.2 53.0 79.6

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#14

Allyl chloride

Concen: 18.832 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

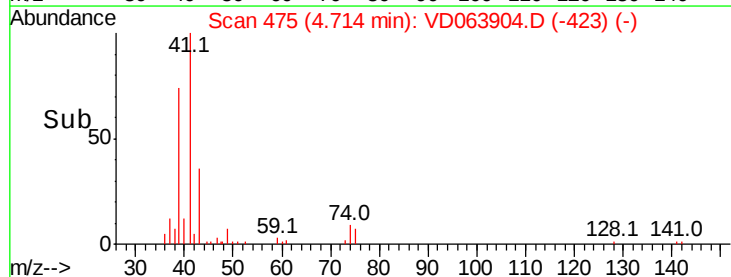
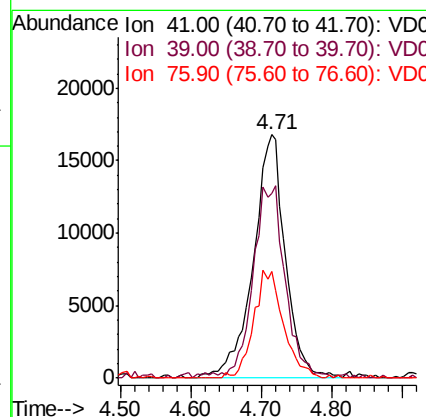
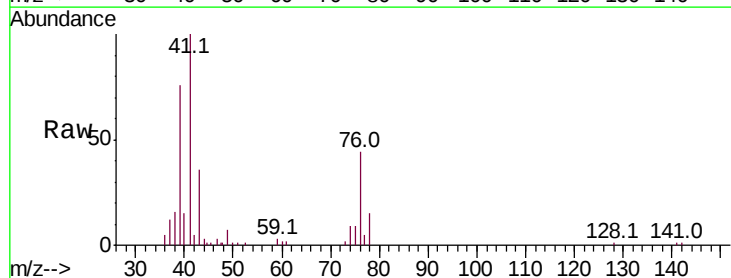
Tgt Ion: 41 Resp: 53313

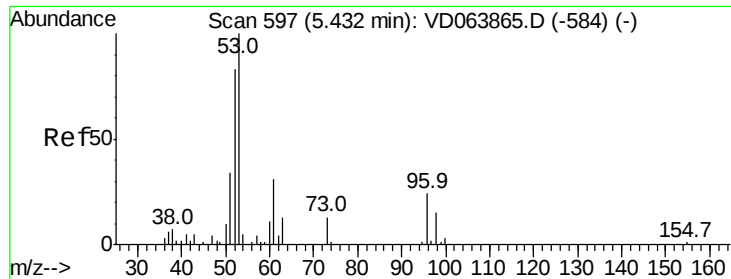
Ion Ratio Lower Upper

41 100

39 78.8 61.8 92.6

76 41.0 31.3 46.9





#15

Acrylonitrile

Concen: 94.827 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

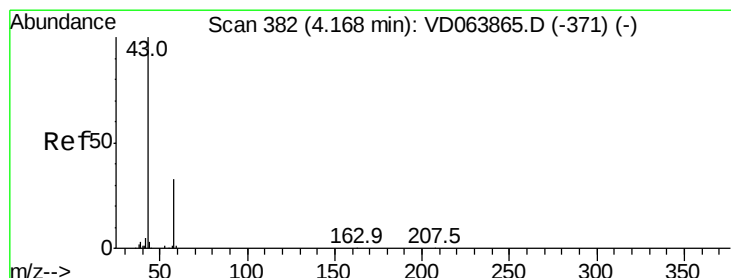
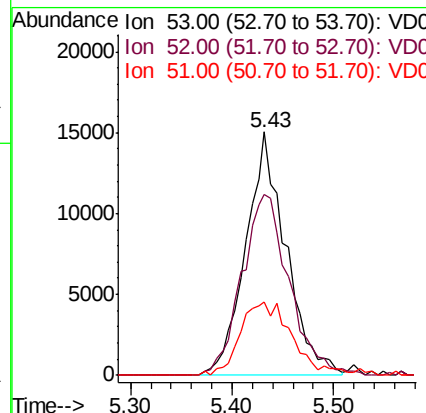
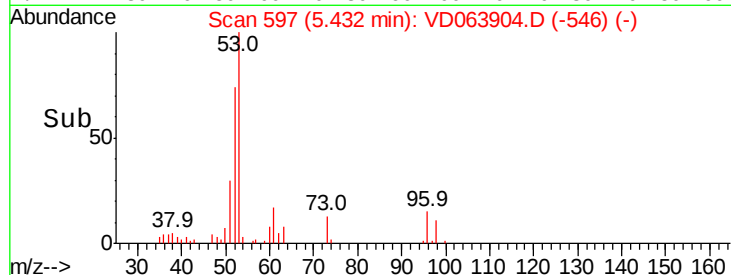
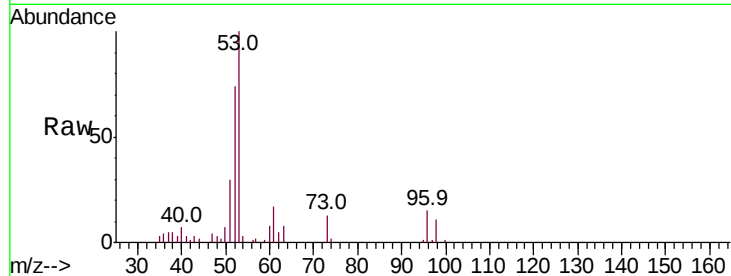
ClientSampleId :

VD1010SBS01

Tot Ion:	53	Resp:	41316
Ion	Ratio	Lower	Upper
53	100		
52	87.4	67.3	100.9
51	38.8	30.5	45.7

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#16

Acetone

Concen: 81.853 ug/l

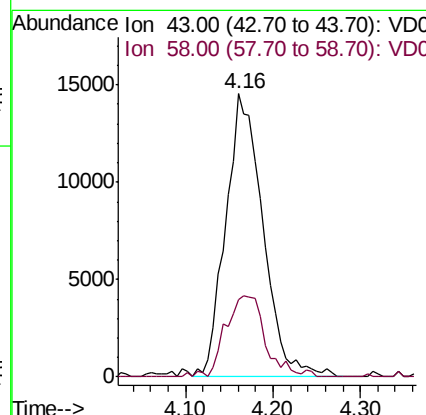
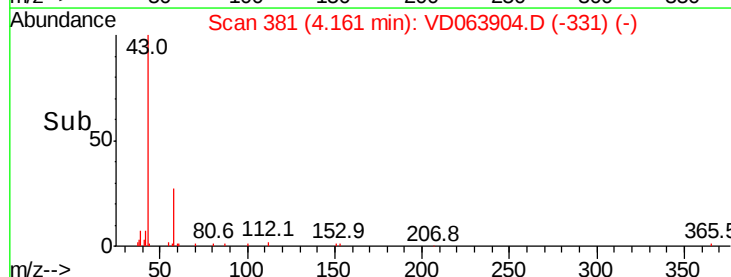
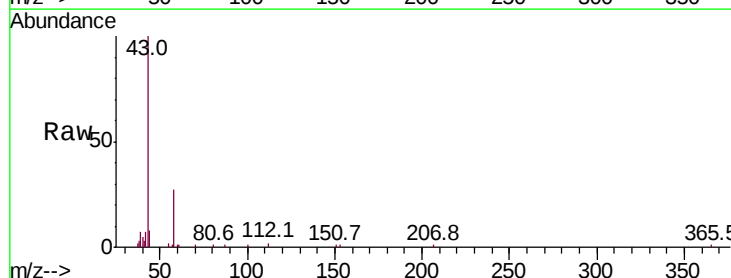
RT: 4.16 min Scan# 381

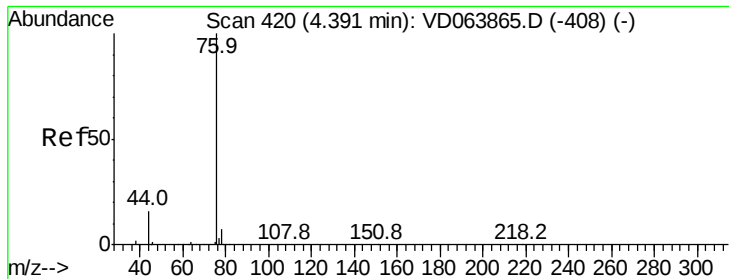
Delta R.T. -0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion:	43	Resp:	42153
Ion	Ratio	Lower	Upper
43	100		
58	27.1	26.2	39.4





#17

Carbon Disulfide

Concen: 18.572 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

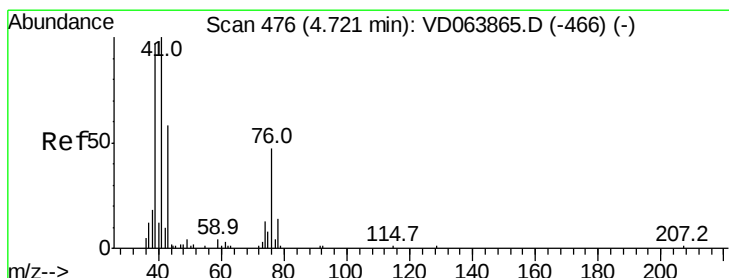
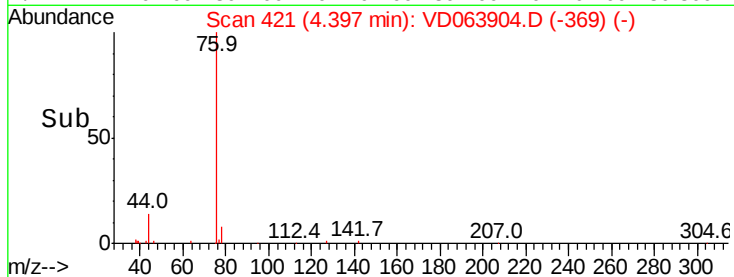
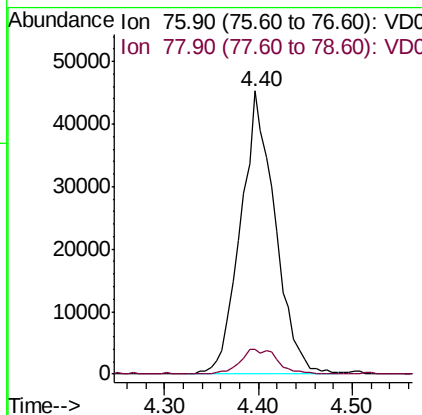
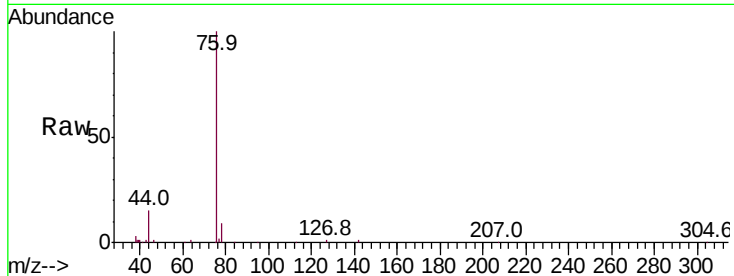
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion: 76 Resp: 114952

Ion	Ratio	Lower	Upper
76	100		
78	8.9	5.8	8.8#

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#18

Methyl Acetate

Concen: 21.287 ug/l

RT: 4.73 min Scan# 478

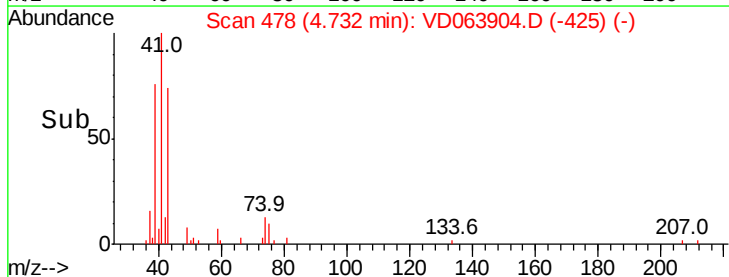
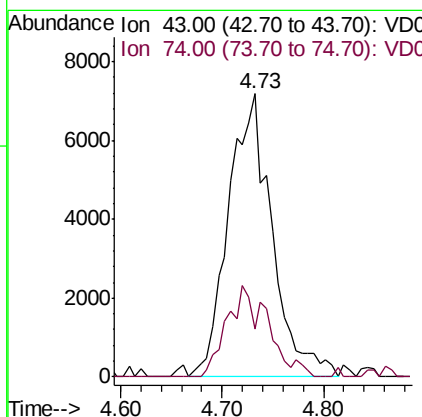
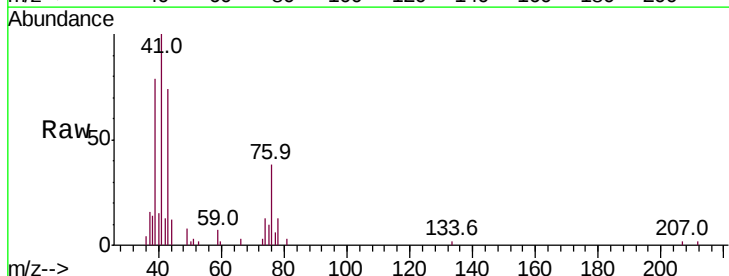
Delta R.T. 0.01 min

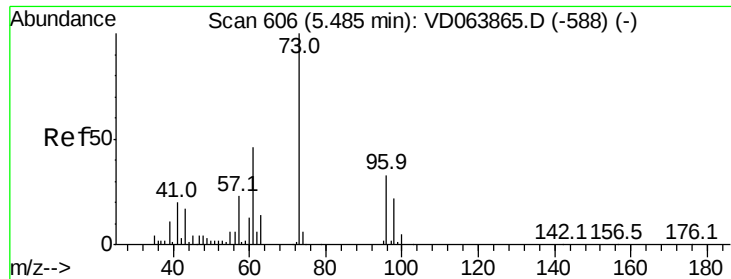
Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion: 43 Resp: 21441

Ion	Ratio	Lower	Upper
43	100		
74	19.1	20.8	31.2#





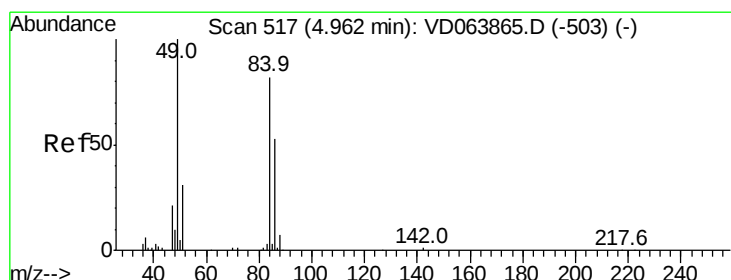
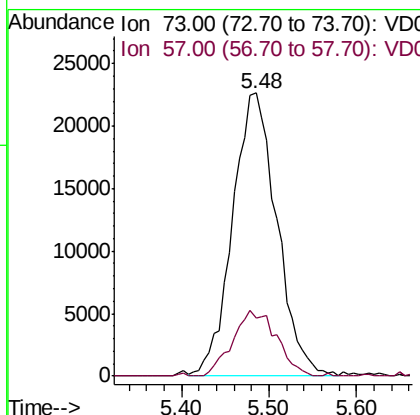
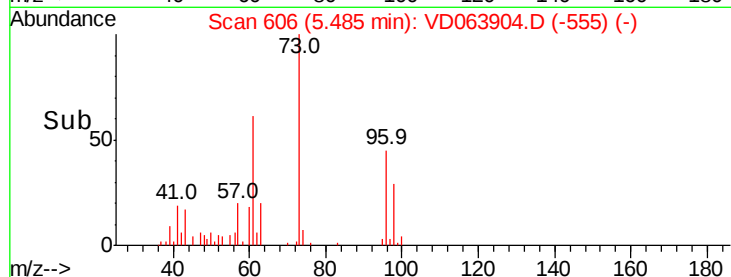
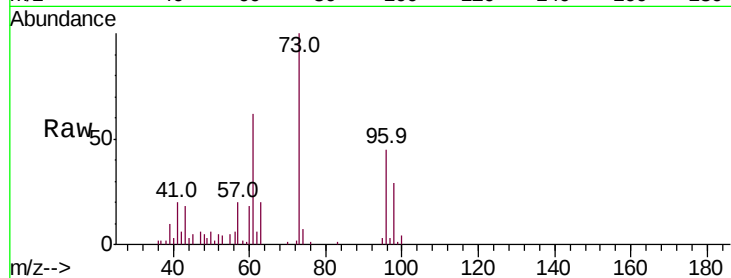
#19
Methvl tert-butvl Ether
Concen: 17.717 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	18.1	27.1

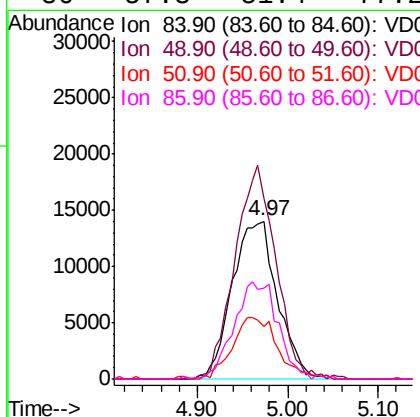
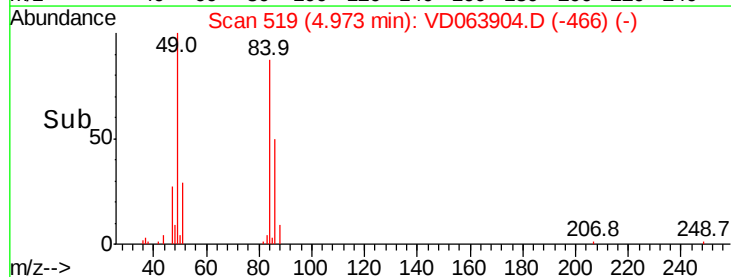
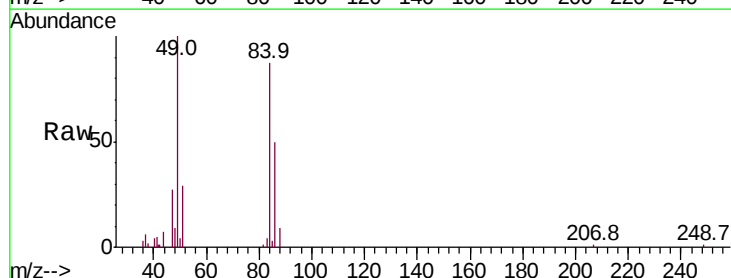
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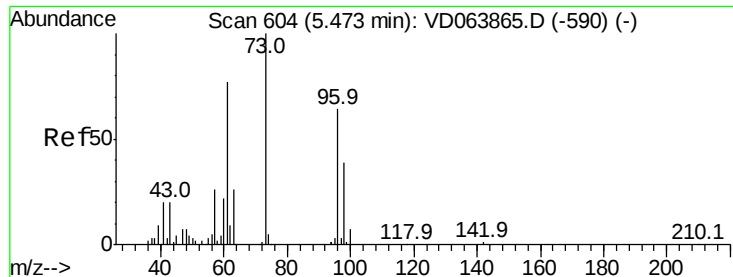
MMDadoda
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#20
Methylene Chloride
Concen: 19.382 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	97.3	145.9
51	33.5	30.1	45.1
86	57.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 19.300 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

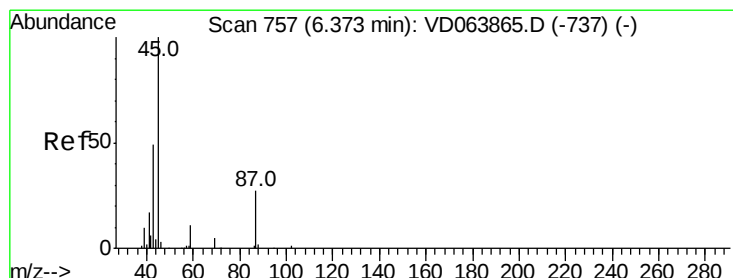
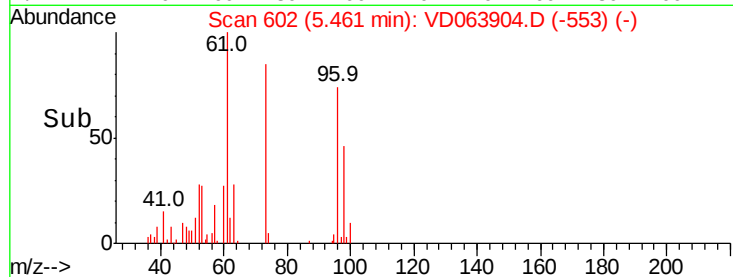
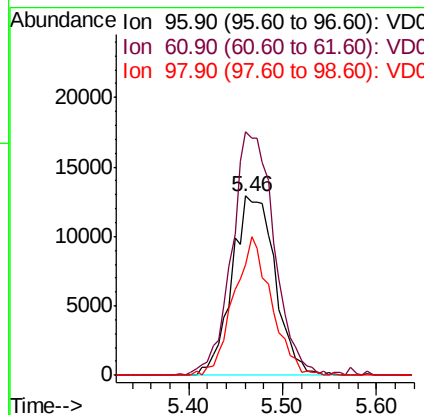
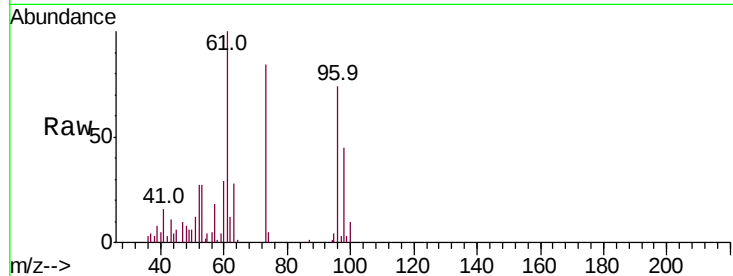
ClientSampleId :

VD1010SBS01

Tot Ion:	96	Resp:	40911
Ion	Ratio	Lower	Upper
96	100		
61	134.4	96.6	145.0
98	61.8	48.7	73.1

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#22

Diisopropyl ether

Concen: 18.970 ug/l

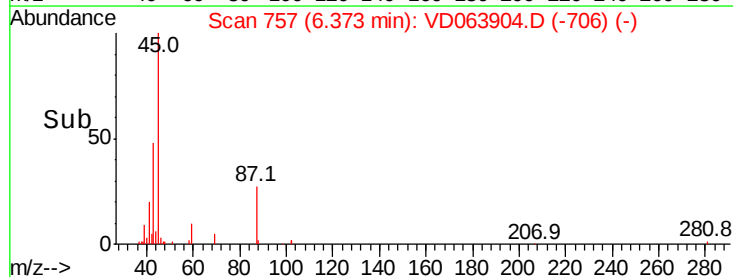
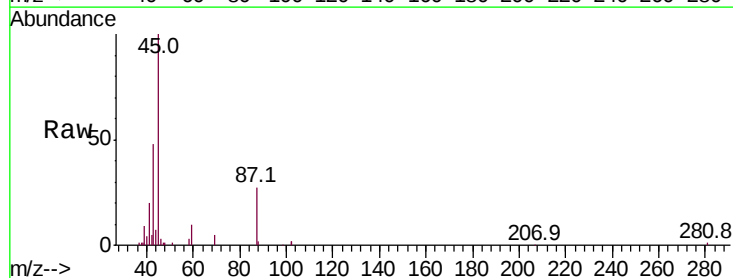
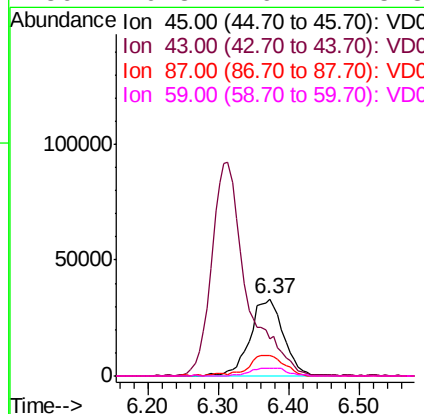
RT: 6.37 min Scan# 757

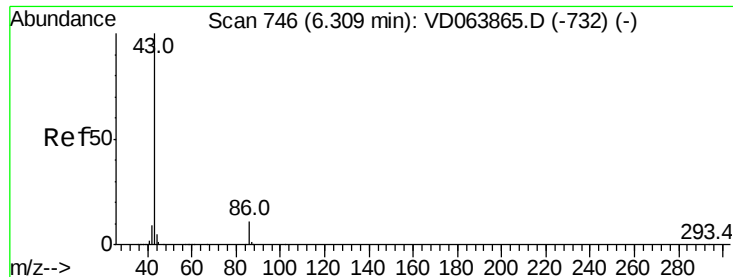
Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion:	45	Resp:	109677
Ion	Ratio	Lower	Upper
45	100		
43	47.3	41.2	61.8
87	27.4	22.2	33.4
59	10.3	9.2	13.8





#23

Vinyl Acetate

Concen: 92.270 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 317352

Ion Ratio Lower Upper

43 100

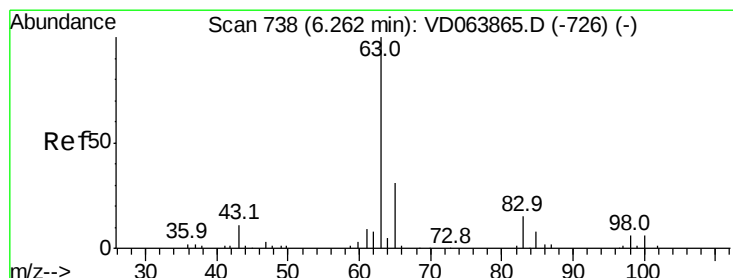
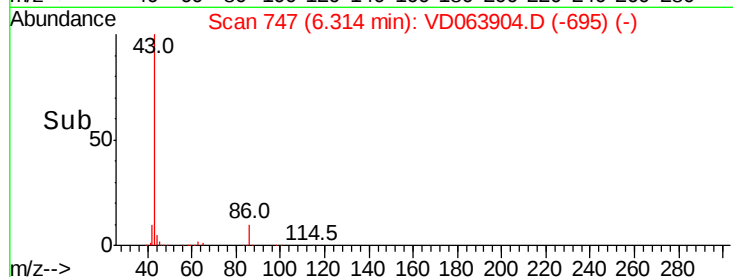
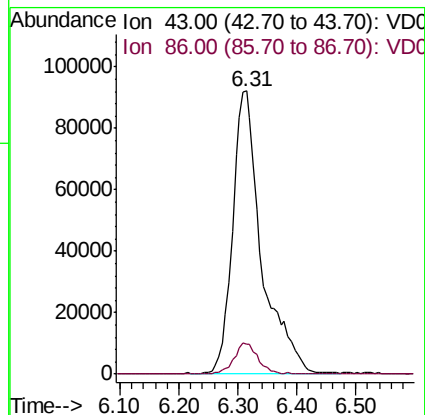
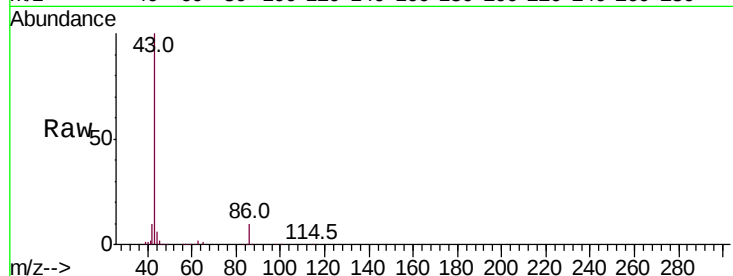
86 10.5 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 19.479 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

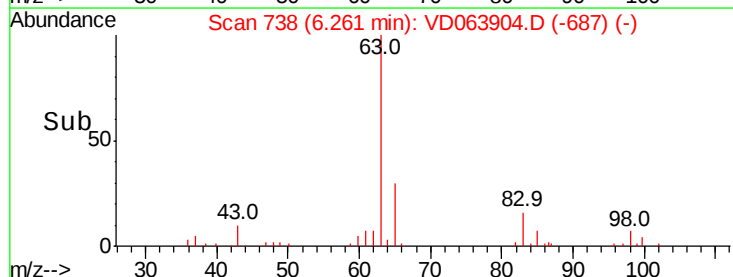
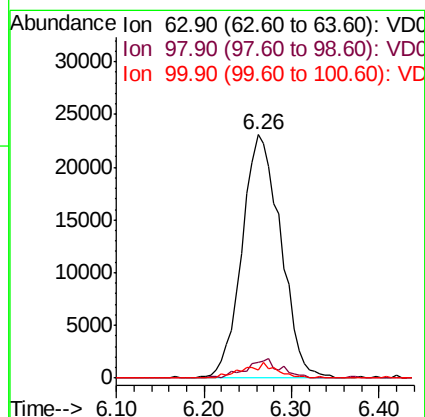
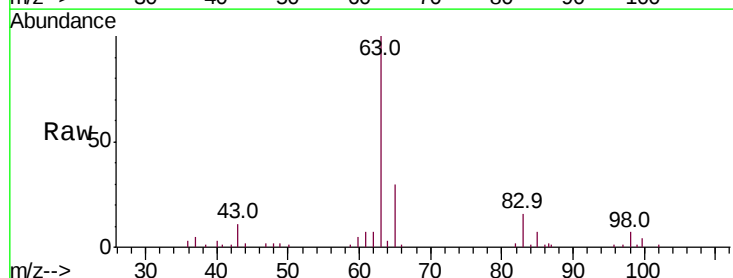
Tgt Ion: 63 Resp: 69368

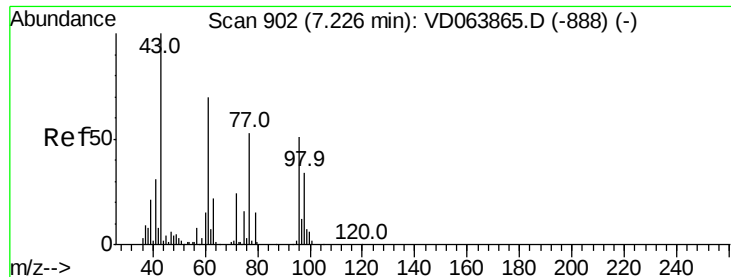
Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 3.5 3.0 9.2





#25

2-Butanone

Concen: 87.840 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 53610

Ion Ratio Lower Upper

43 100

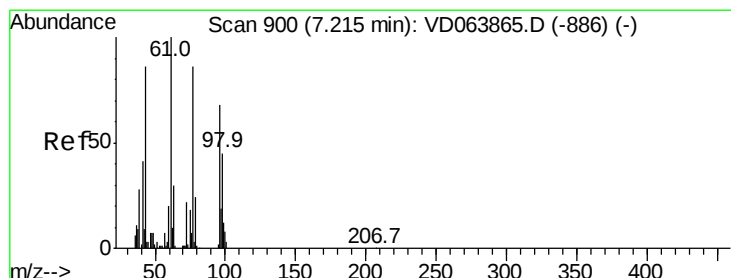
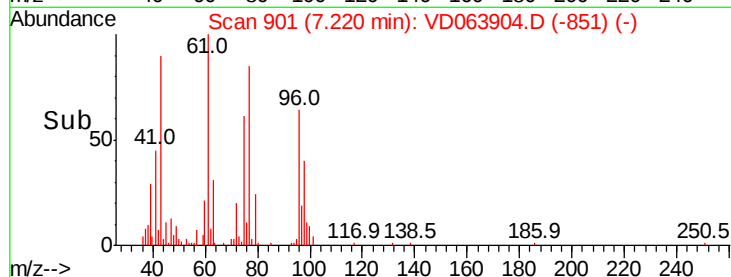
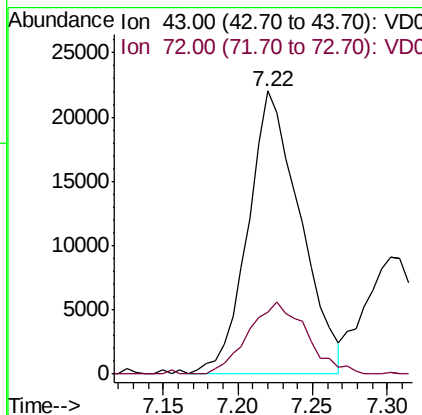
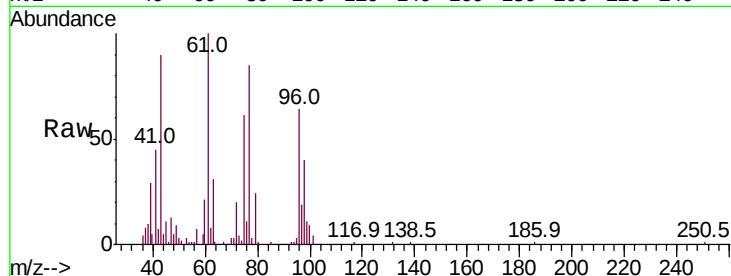
72 22.0 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.993 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063904.D

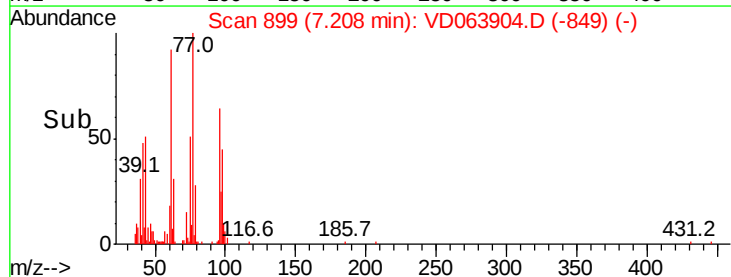
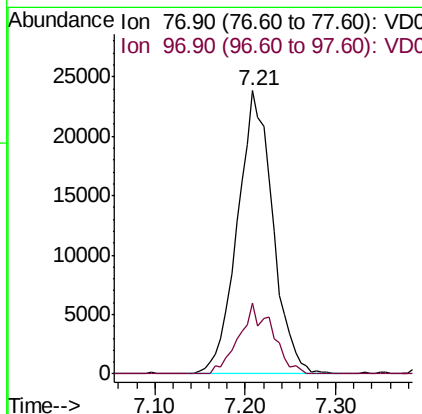
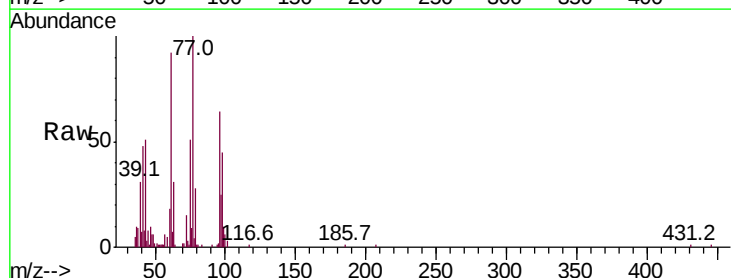
Acq: 10 Oct 2019 12:23

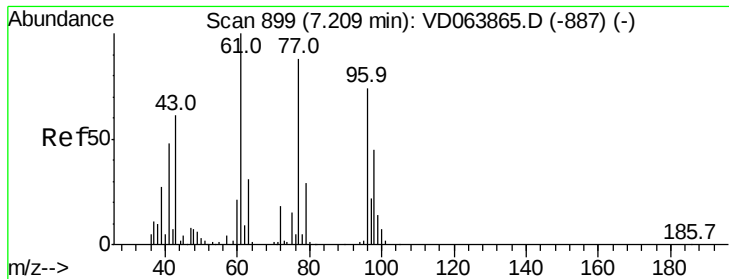
Tgt Ion: 77 Resp: 64406

Ion Ratio Lower Upper

77 100

97 23.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.547 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD063904.D

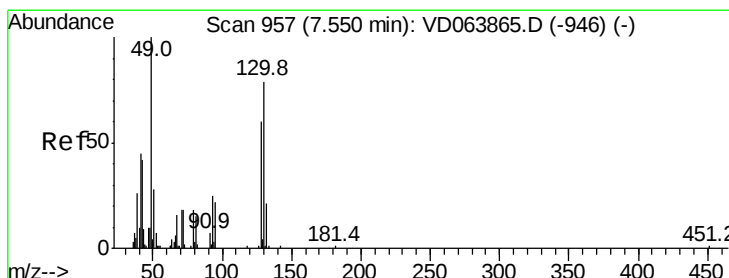
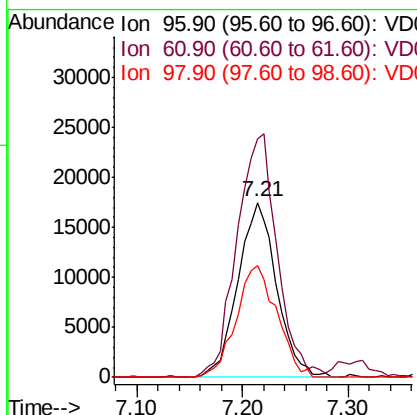
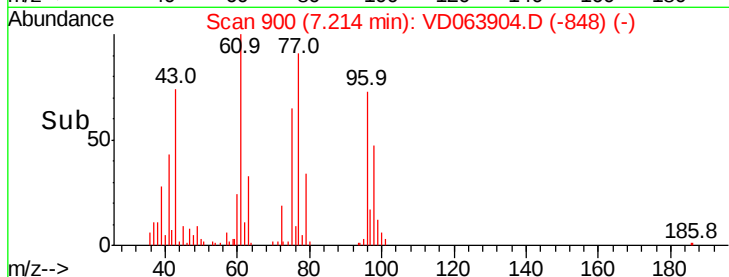
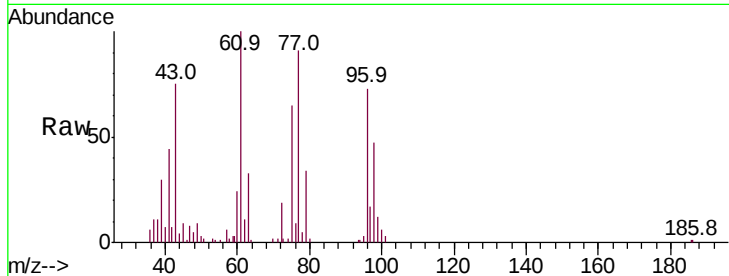
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	280.0
98	67.2	0.0	130.4

Manual Integrations
APPROVED

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#28

Bromochloromethane

Concen: 17.969 ug/l

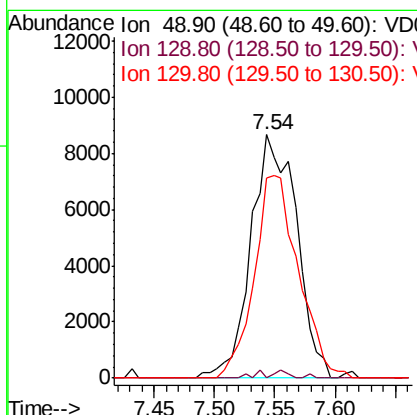
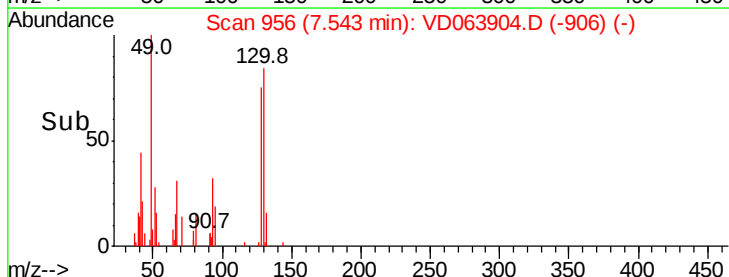
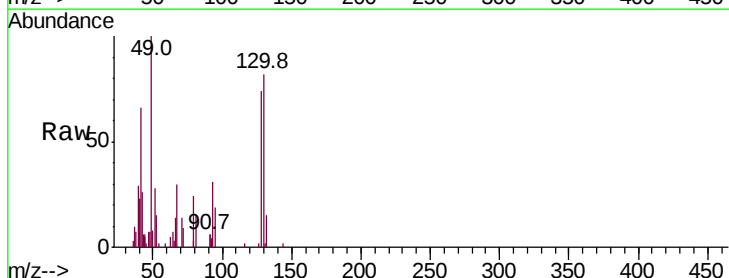
RT: 7.54 min Scan# 956

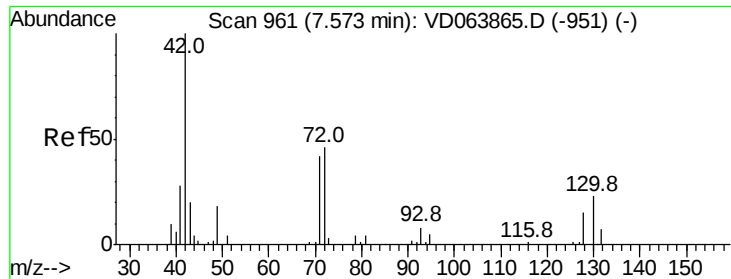
Delta R.T. -0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	5.6
130	81.0	66.8	100.2





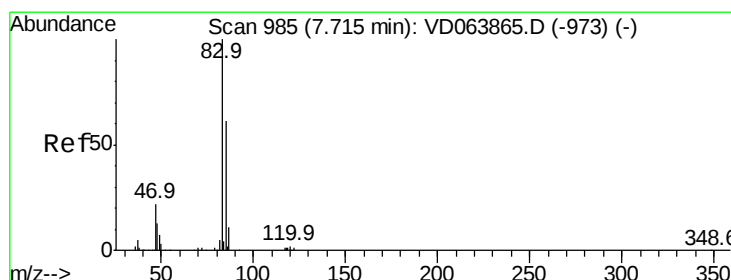
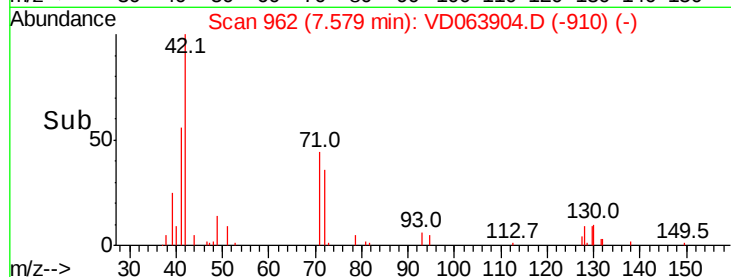
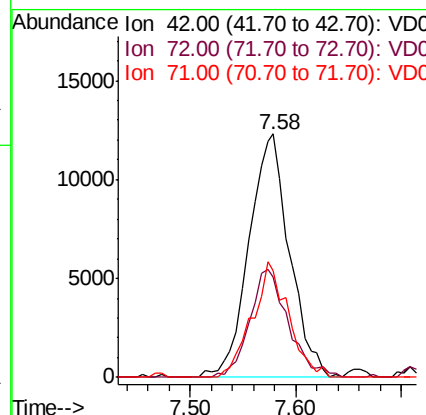
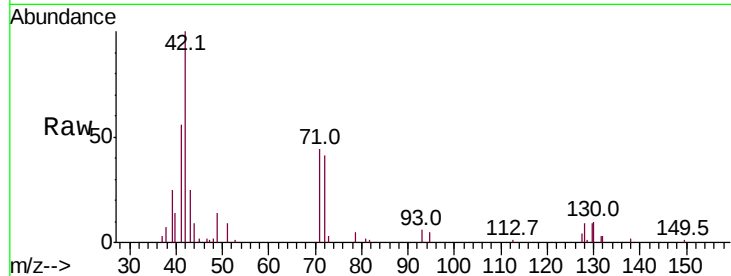
#29
Tetrahydrofuran
Concen: 91.832 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS001

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	37.6	56.4
71	42.5	35.0	52.6

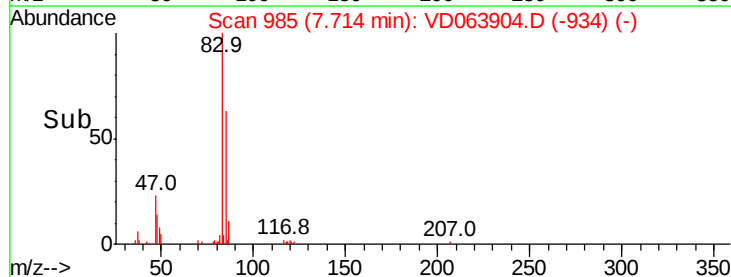
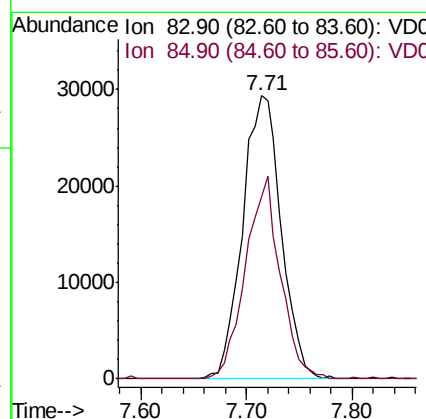
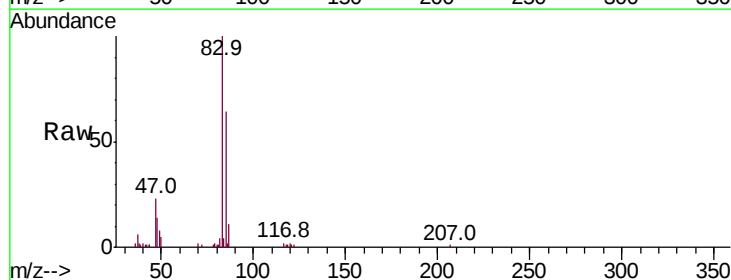
Manual Integrations
APPROVED

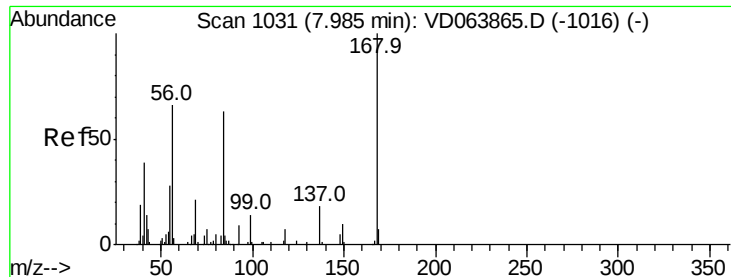
MMDadoda
10/11/2019 10:24:05 AM



#30
Chloroform
Concen: 19.261 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	48.9	73.3





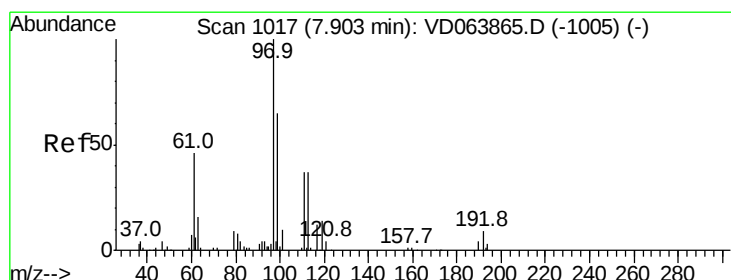
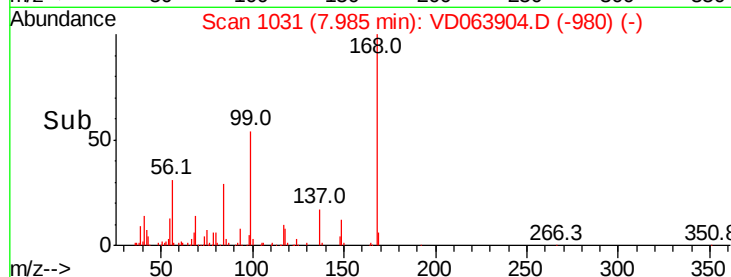
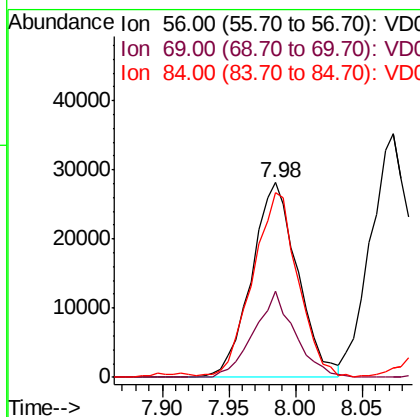
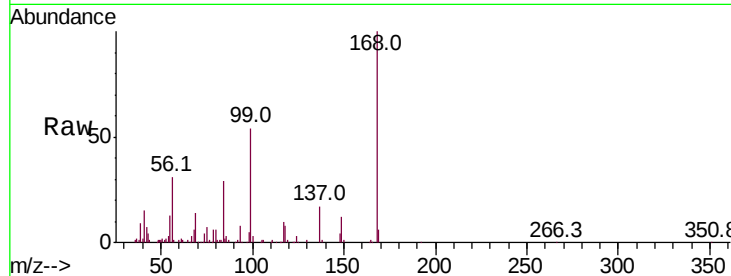
#31
Cyclohexane
Concen: 20.524 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.1	25.0	37.4#
84	94.2	76.3	114.5

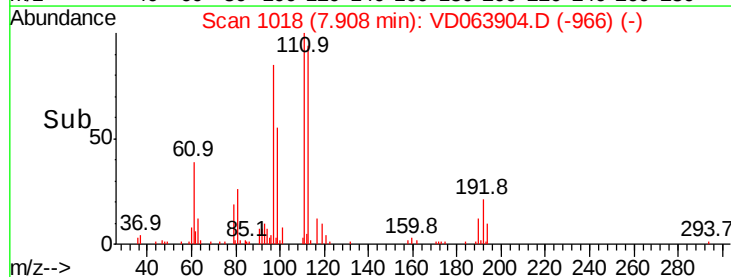
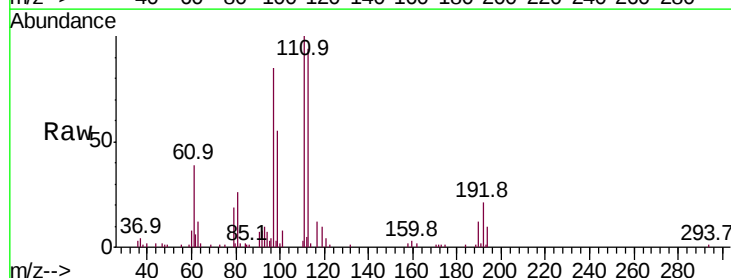
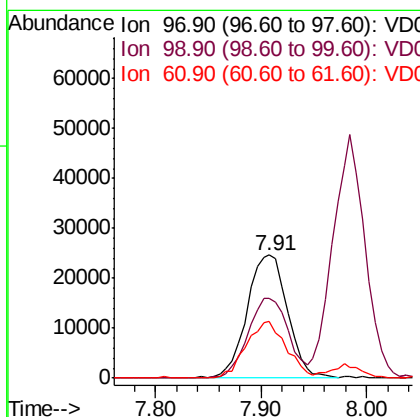
Manual Integrations
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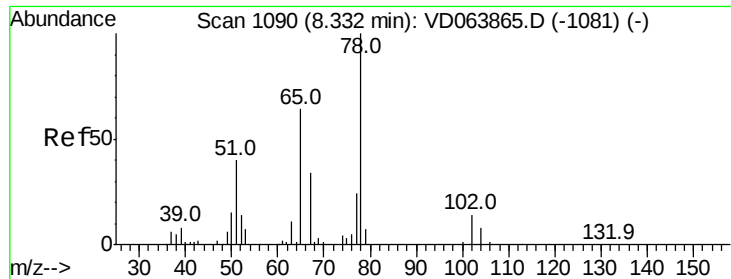
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.755 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.4	78.6
61	45.5	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 46.128 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 65 Resp: 91241

Ion Ratio Lower Upper

65 100

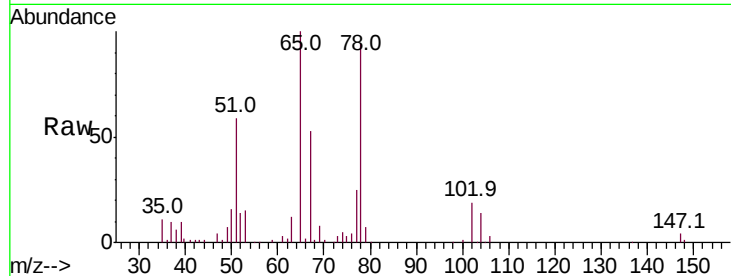
67 54.3 0.0 106.4

Manual Integrations

APPROVED

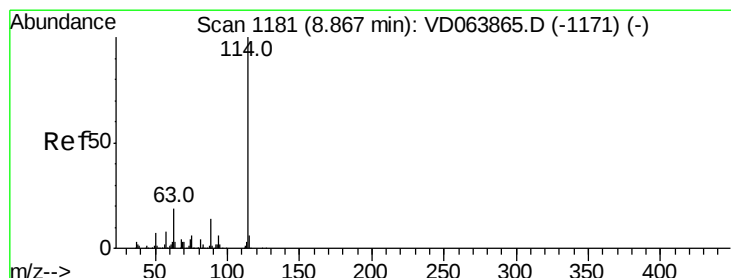
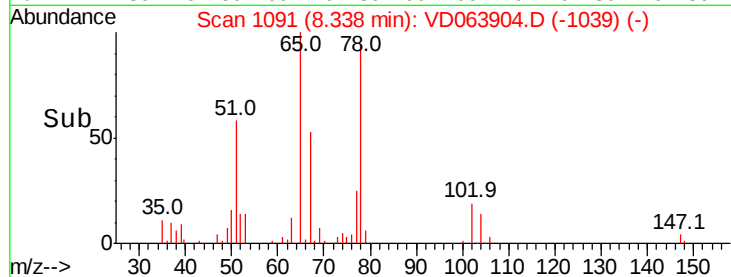
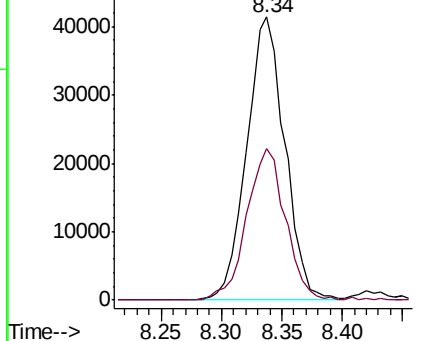
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

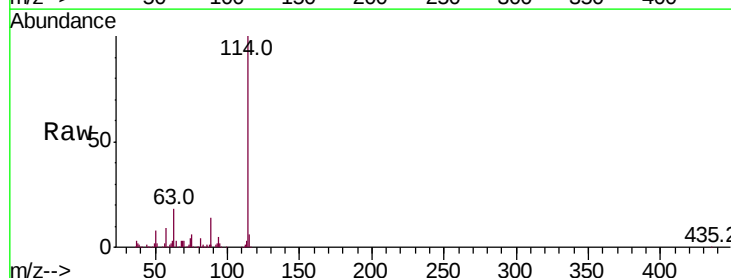
Tgt Ion: 114 Resp: 316878

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

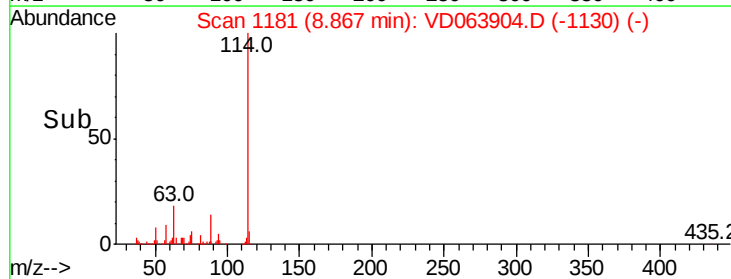
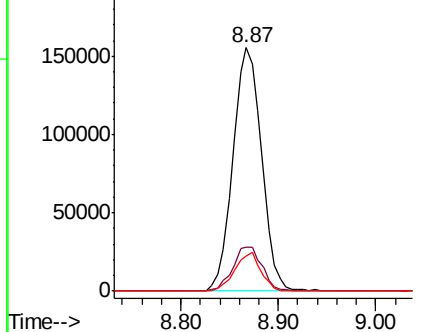
88 14.4 0.0 27.4

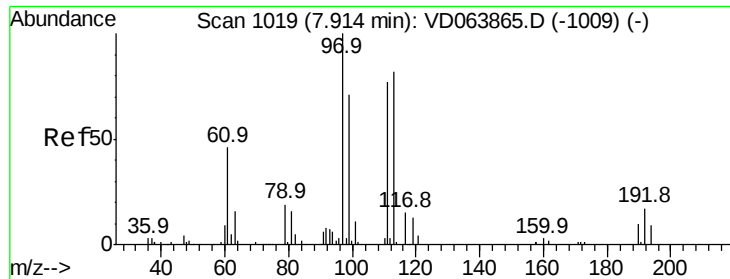


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





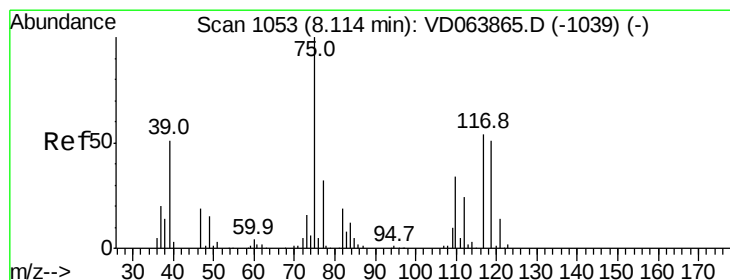
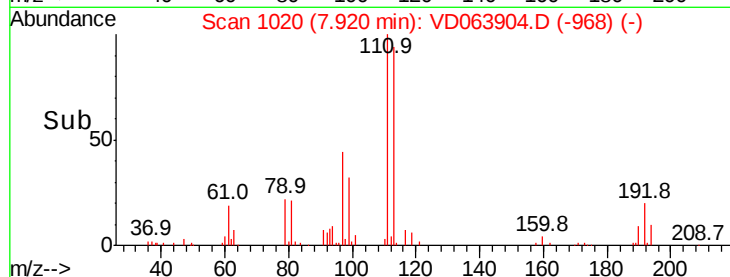
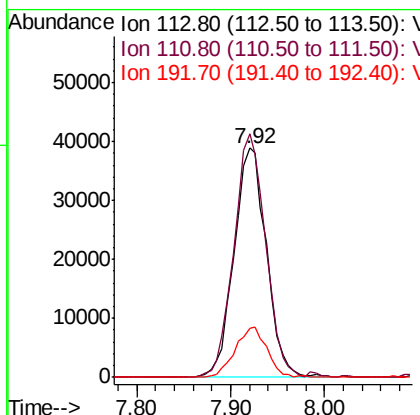
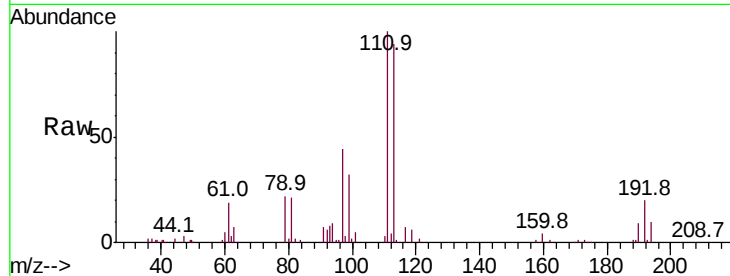
#35
 Dibromofluoromethane
 Concen: 48.114 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	21.4	17.1	25.7

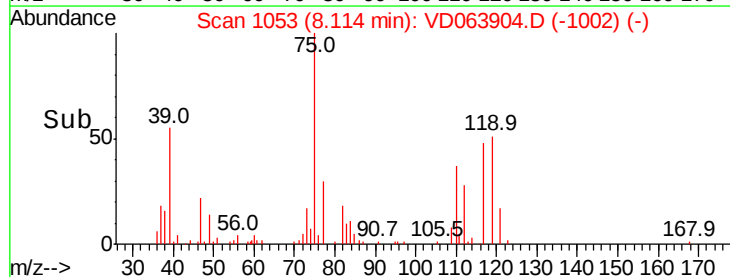
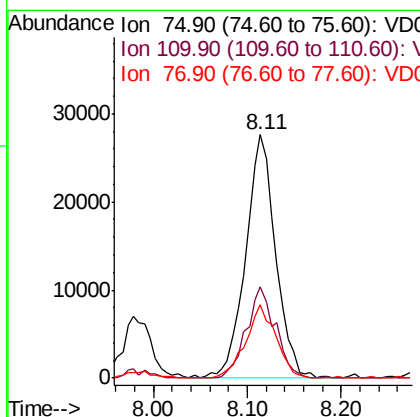
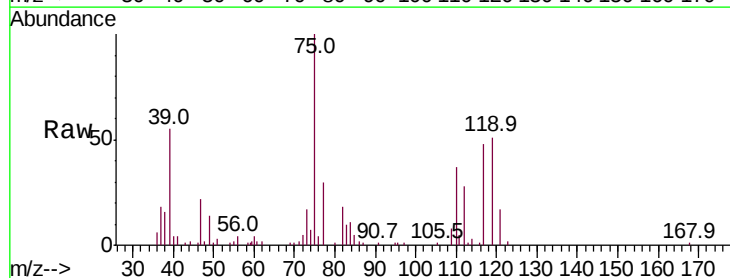
Manual Integrations
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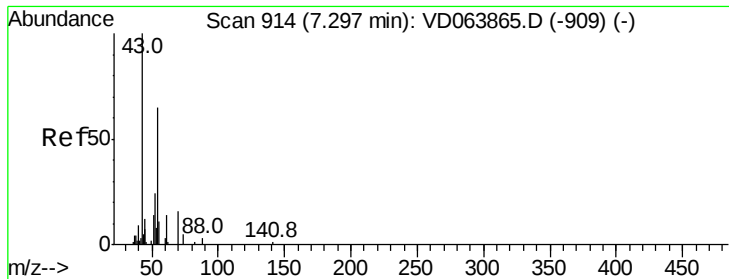
MMDadoda
 10/11/2019 10:24:05 AM



#36
 1,1-Dichloropropene
 Concen: 21.070 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.4	52.3
77	30.3	25.4	38.0





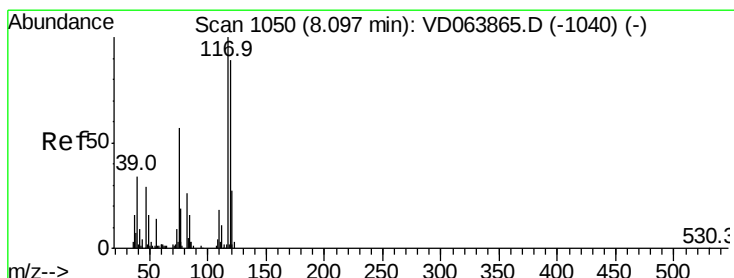
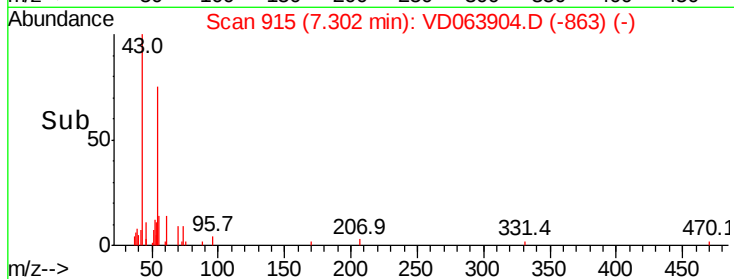
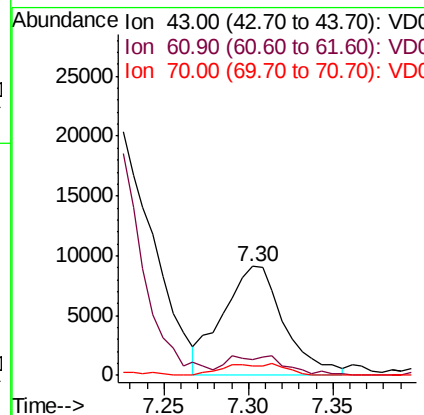
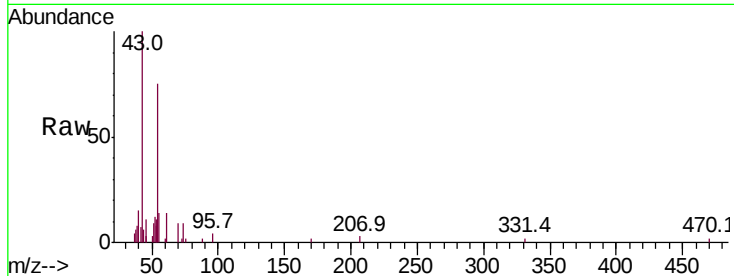
#37
Ethyl Acetate
Concen: 17.162 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3
70	10.6	8.2	12.4

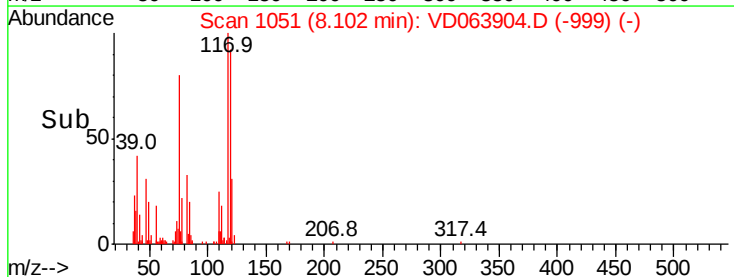
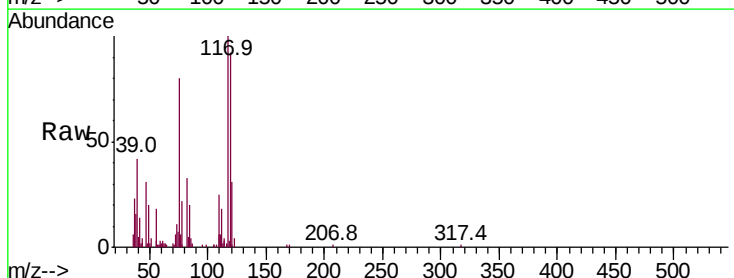
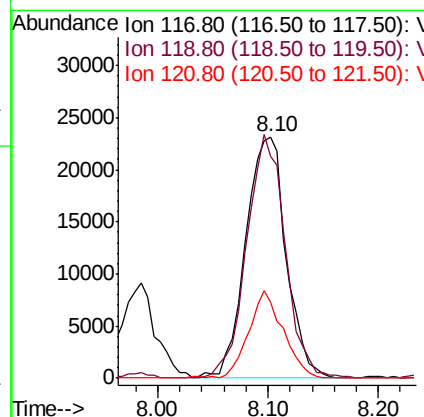
Manual Integrations
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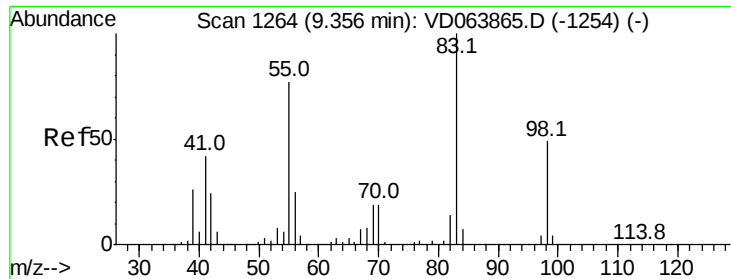
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.360 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	70.8	106.2
121	31.2	21.4	32.0





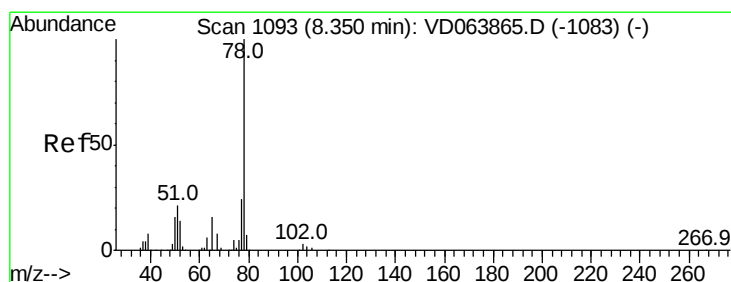
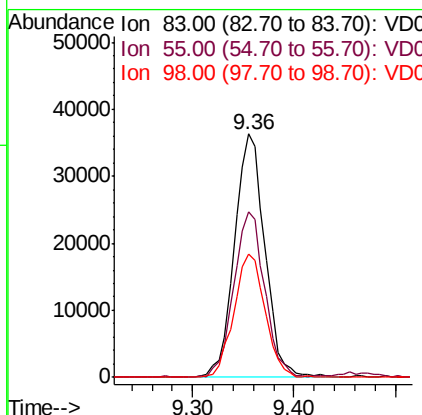
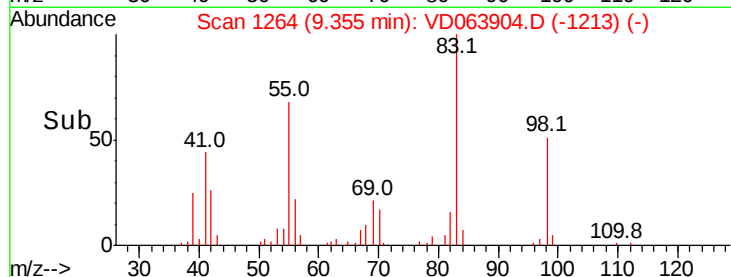
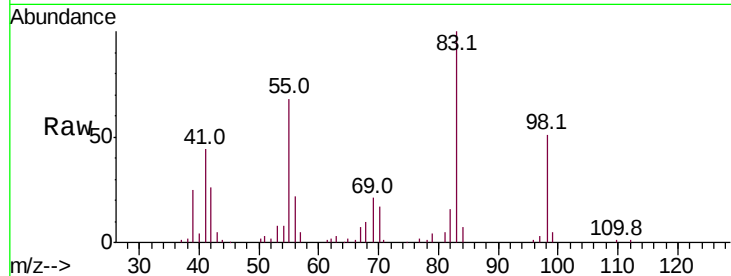
#39
Methylvlcyclohexane
Concen: 21.150 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	61.3	91.9
98	50.8	39.3	58.9

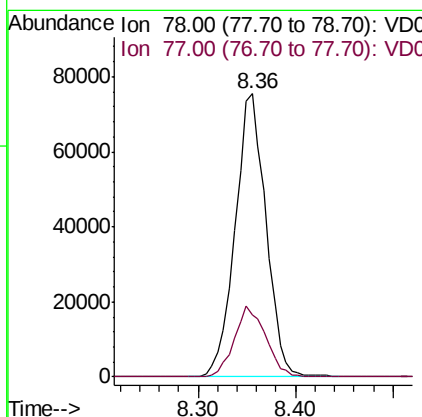
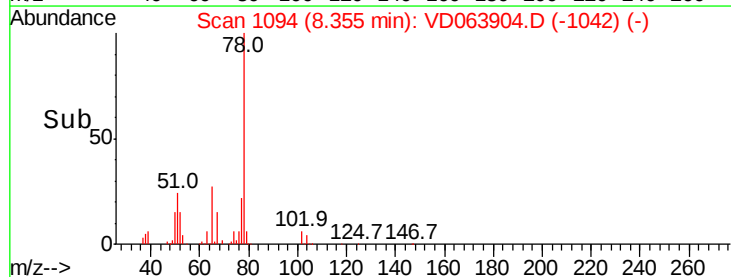
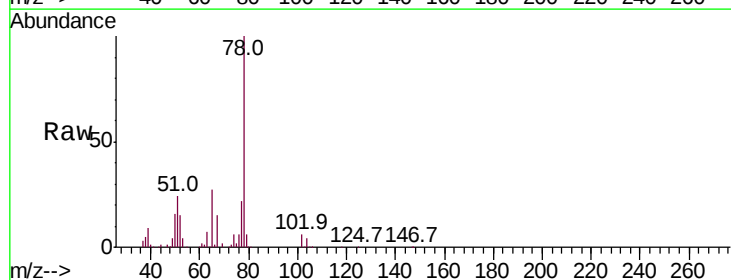
Manual Integrations
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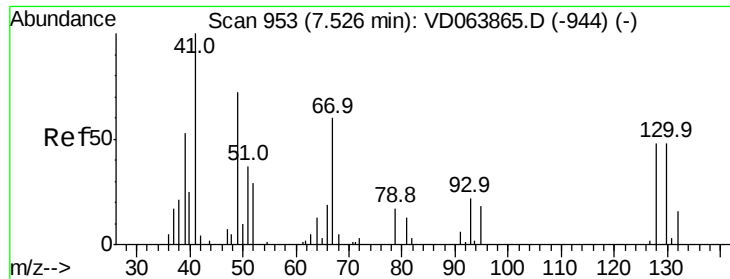
MMDadoda
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#40
Benzene
Concen: 19.935 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.6





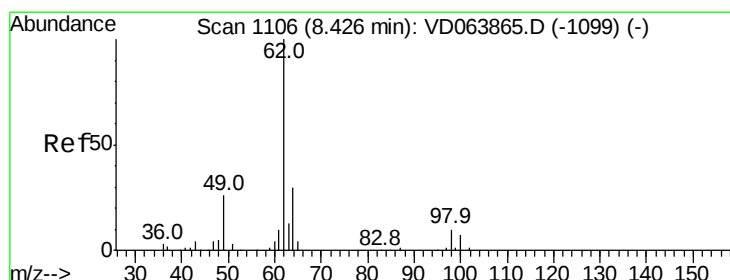
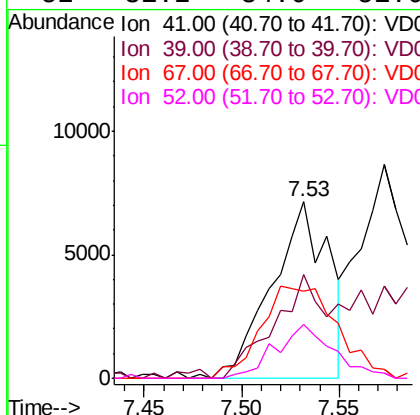
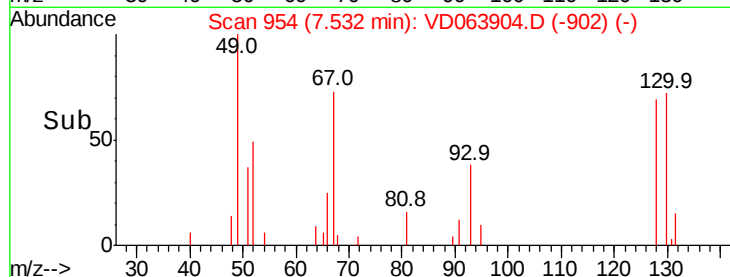
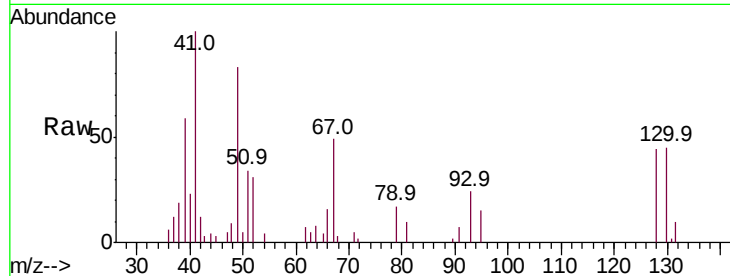
#41
Methacrylonitrile
Concen: 21.396 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.7	52.6	78.8#
67	70.3	74.2	111.2#
52	31.2	34.0	51.0#

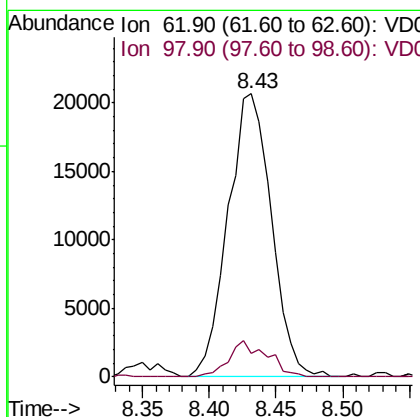
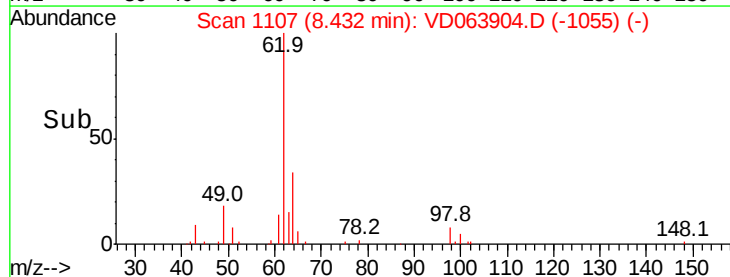
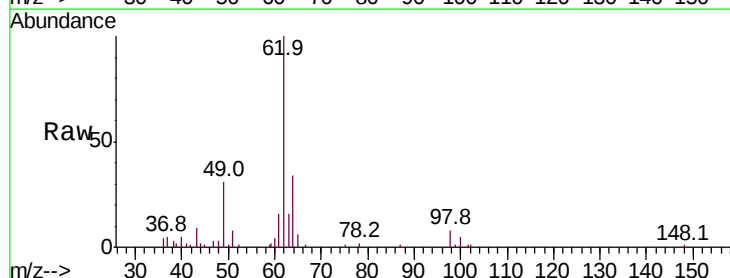
Manual Integrations
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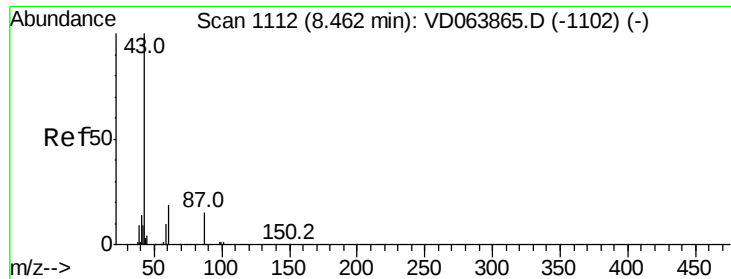
MMDadoda
10/11/2019 10:24:05 AM



#42
1,2-Dichloroethane
Concen: 19.487 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	20.0





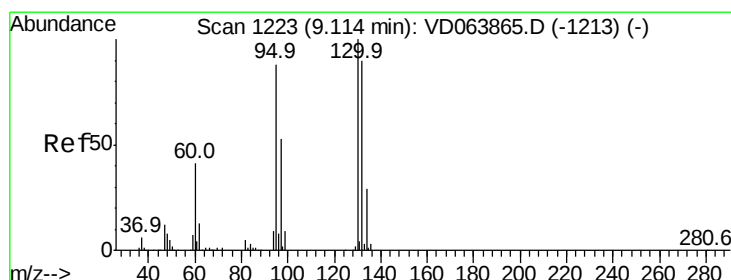
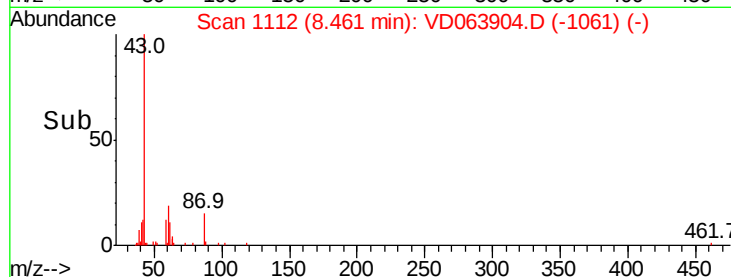
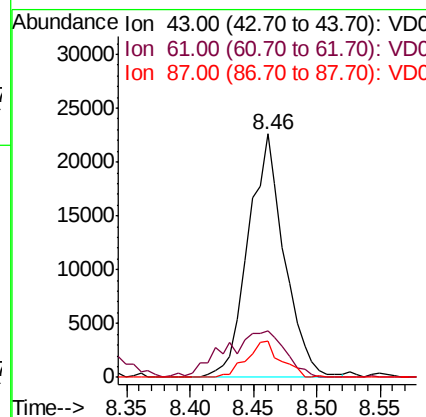
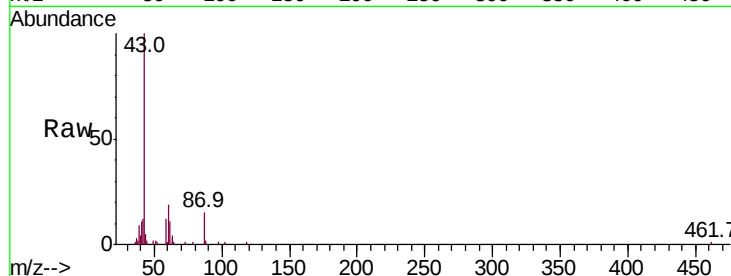
#43
Isopropyl Acetate
Concen: 18.415 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.7	38.5
87	13.7	11.6	17.4

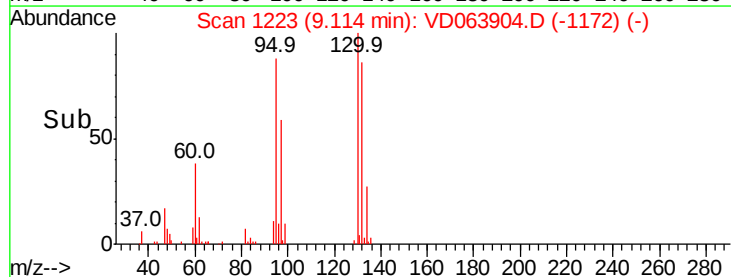
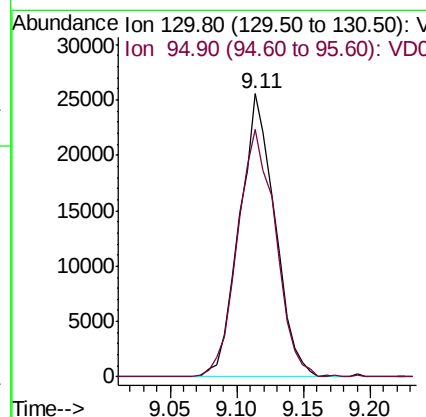
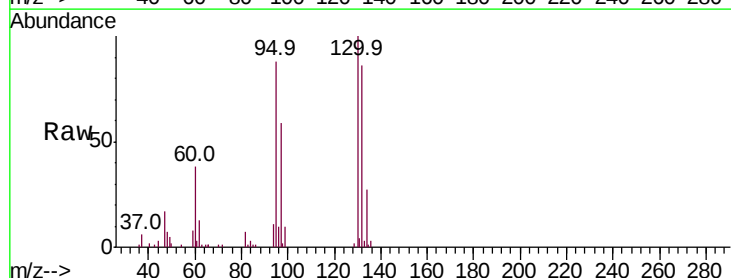
Manual Integrations
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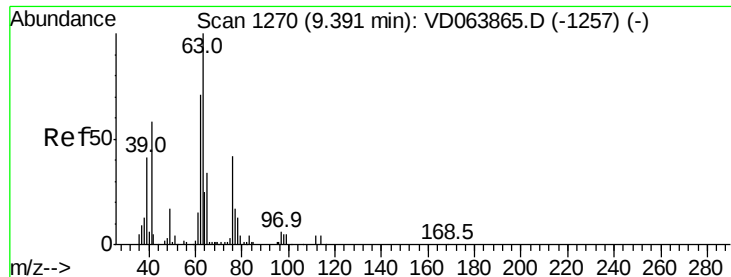
MMDadoda
10/11/2019 10:24:05 AM



#44
Trichloroethene
Concen: 19.635 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	175.6





#45

1,2-Dichloropropane

Concen: 20.257 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 63 Resp: 41167

Ion Ratio Lower Upper

63 100

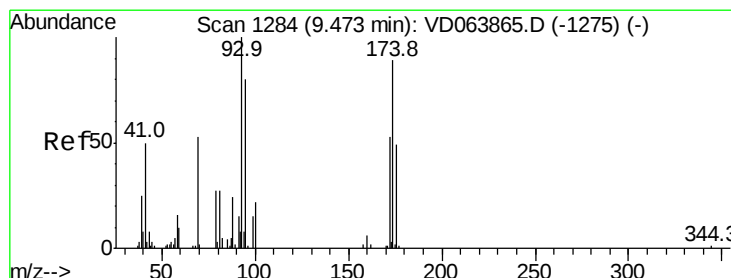
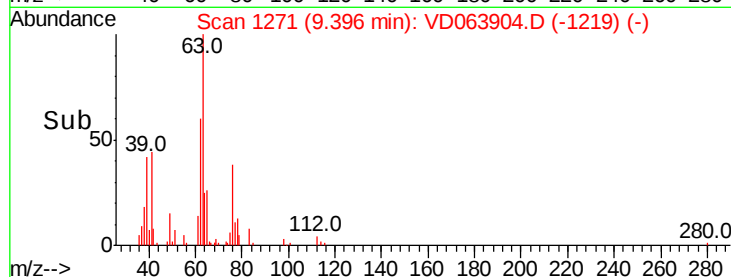
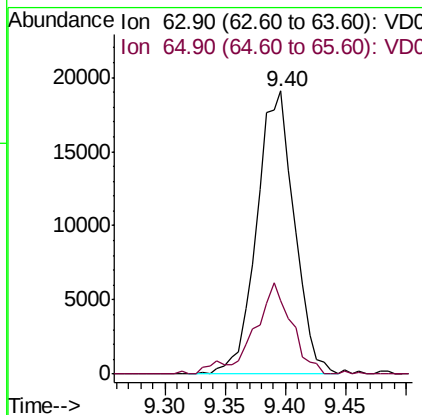
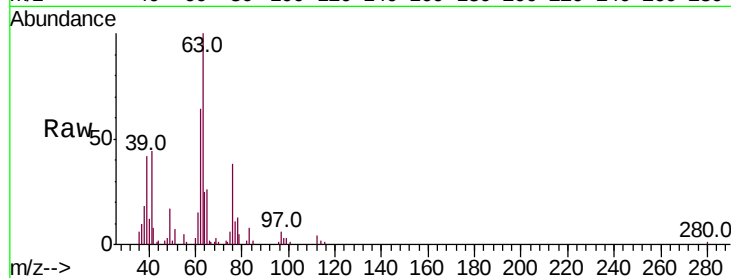
65 26.0 27.3 40.9#

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#46

Dibromomethane

Concen: 19.035 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

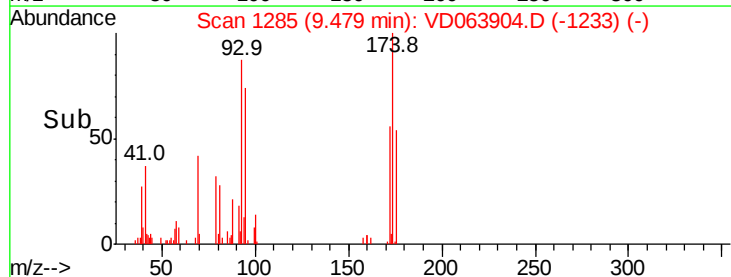
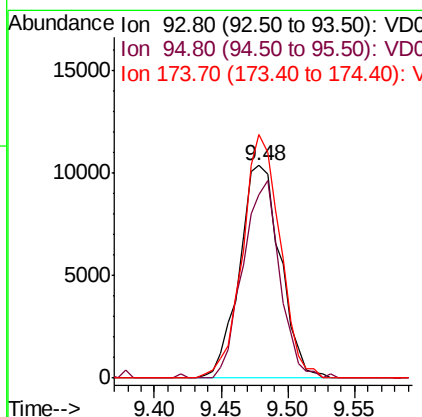
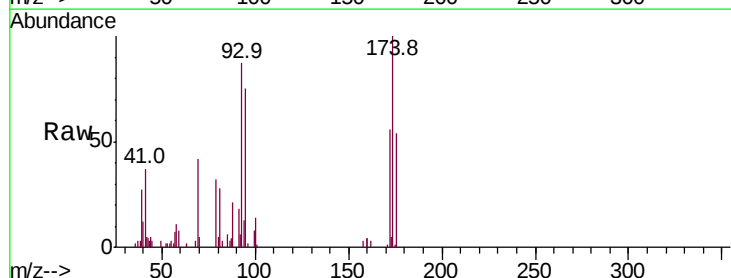
Tgt Ion: 93 Resp: 22031

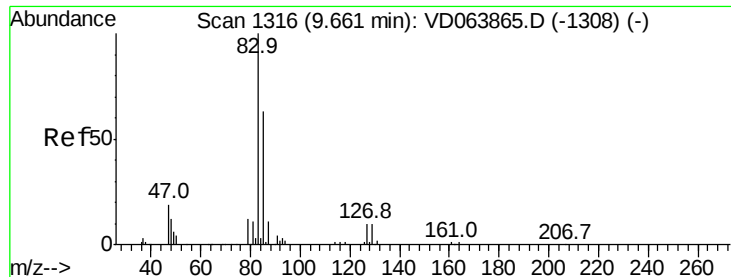
Ion Ratio Lower Upper

93 100

95 83.2 66.0 99.0

174 104.6 83.4 125.0





#47

Bromodichloromethane

Concen: 19.072 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

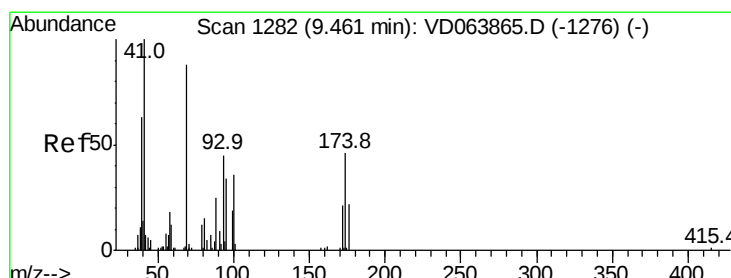
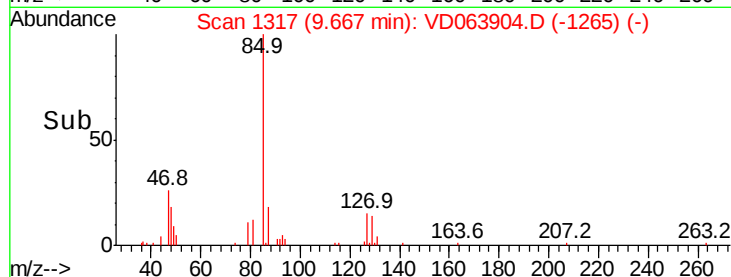
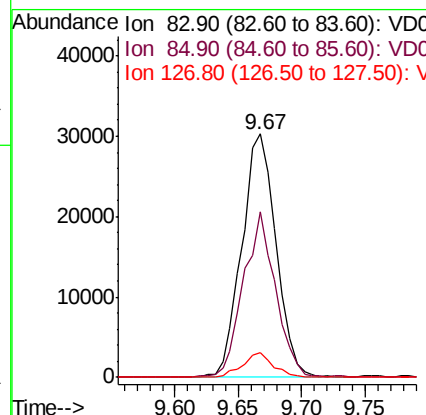
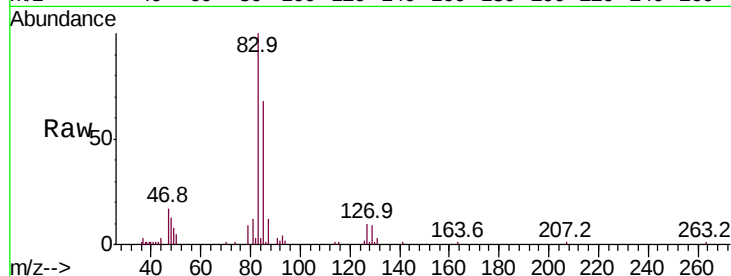
ClientSampleId :

VD1010SBS01

Tot Ion:	83	Resp:	56832
Ion Ratio	Lower	Upper	
83	100		
85	67.8	50.2	75.2
127	10.1	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.070 ug/l

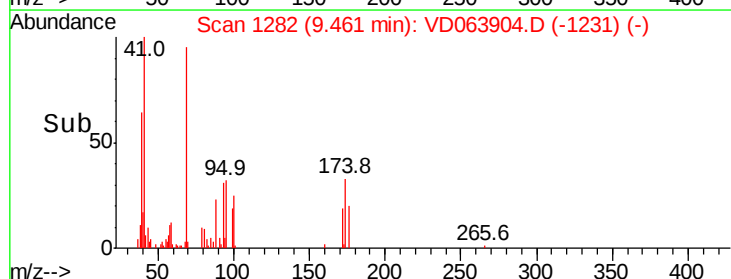
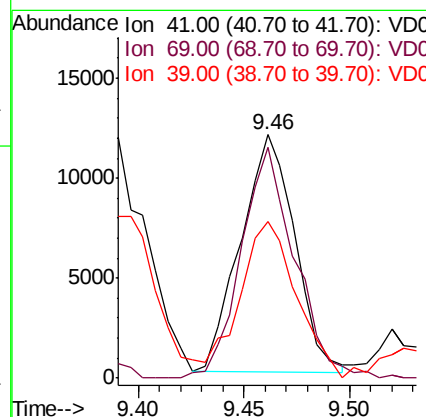
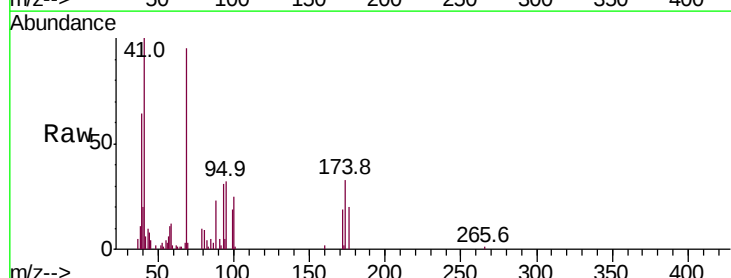
RT: 9.46 min Scan# 1282

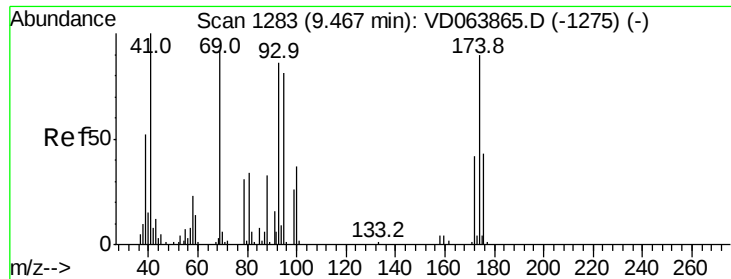
Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion:	41	Resp:	21037
Ion Ratio	Lower	Upper	
41	100		
69	96.9	75.1	112.7
39	68.7	50.2	75.2





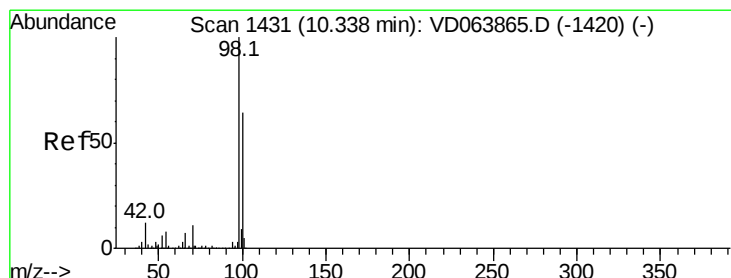
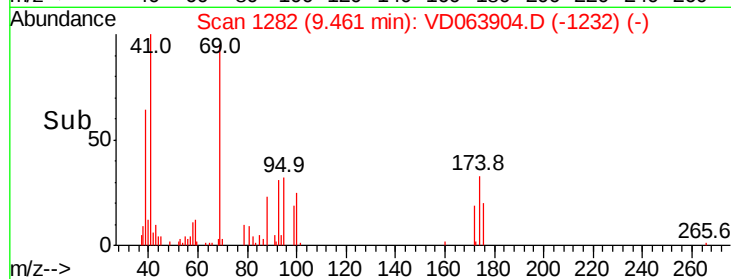
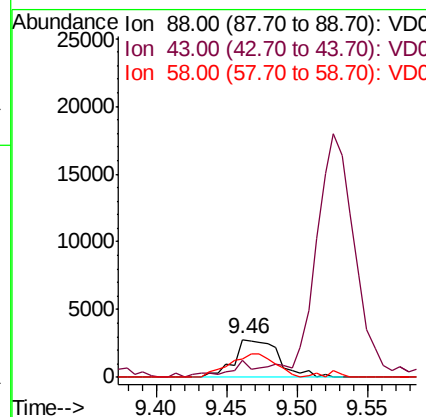
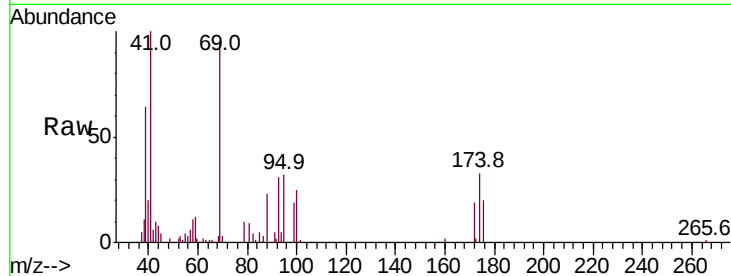
#49
1,4-Dioxane
Concen: 391.564 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.8	27.6	41.4#
58	63.2	54.1	81.1

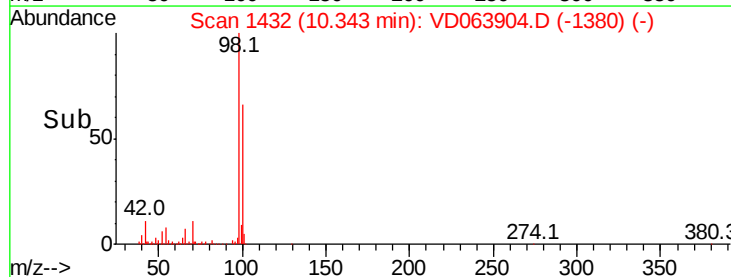
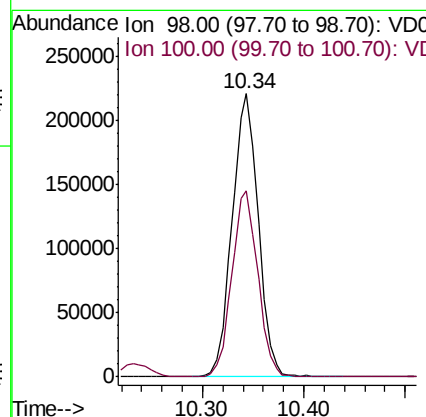
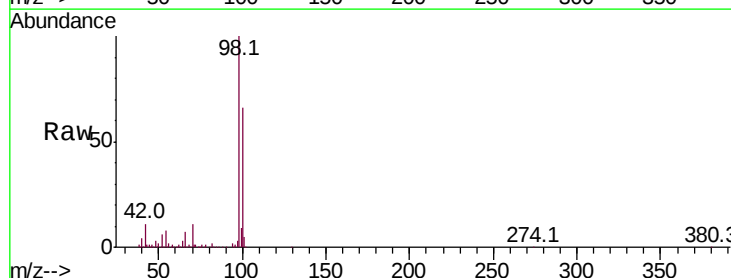
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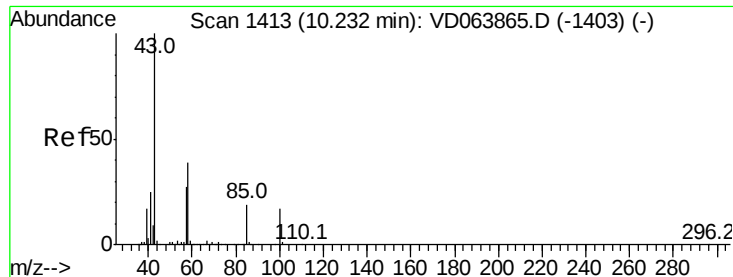
MMDadoda
10/11/2019 10:24:05 AM



#50
Toluene-d8
Concen: 50.168 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 95.013 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleID :

VD1010SBS01

Tot Ion: 43 Resp: 119729

Ion Ratio Lower Upper

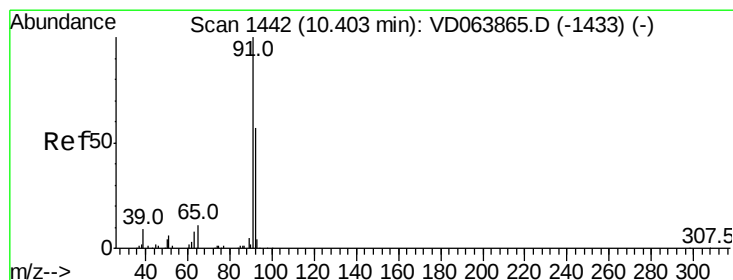
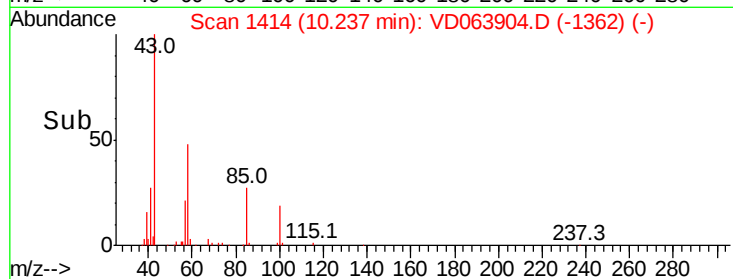
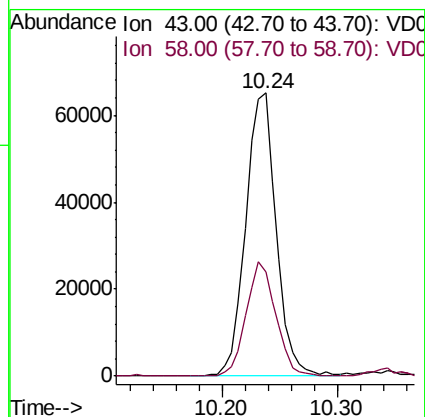
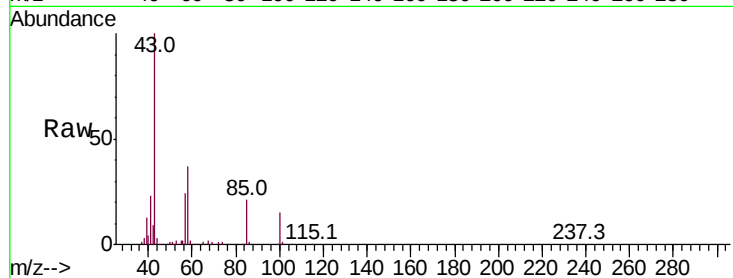
43 100

58 39.3 33.0 49.4

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#52

Toluene

Concen: 20.790 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063904.D

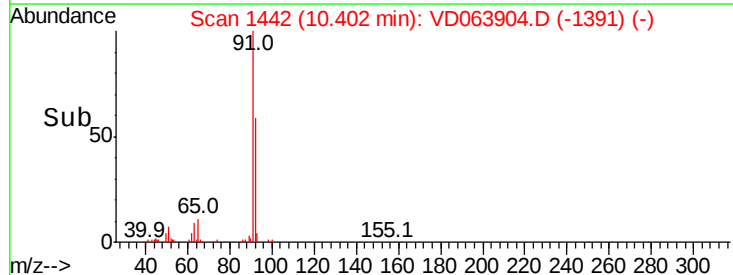
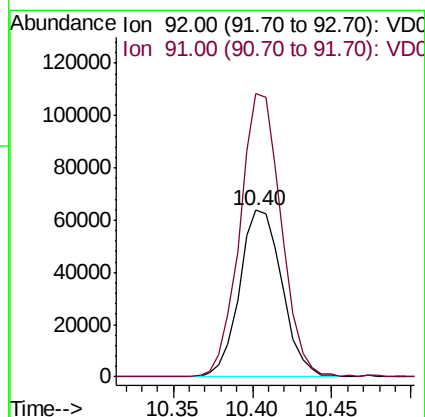
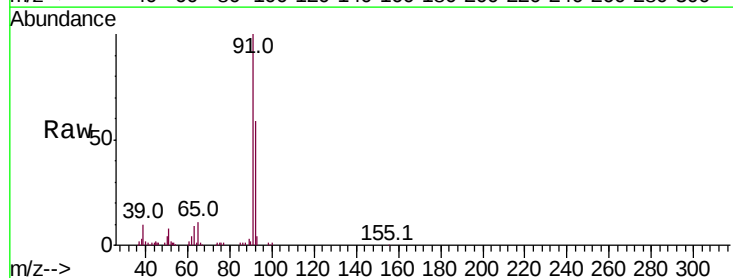
Acq: 10 Oct 2019 12:23

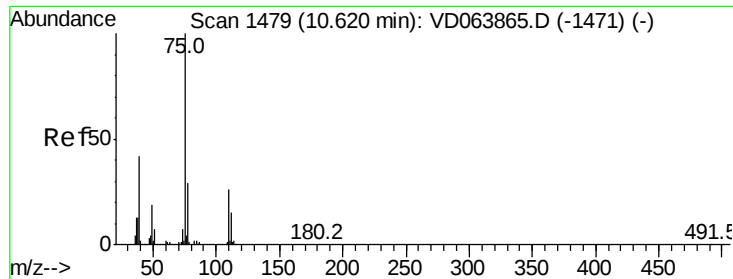
Tgt Ion: 92 Resp: 118496

Ion Ratio Lower Upper

92 100

91 165.9 139.5 209.3





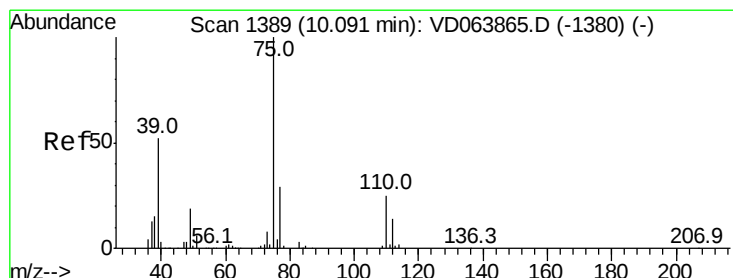
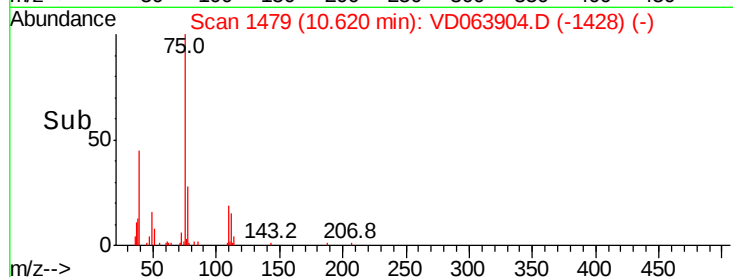
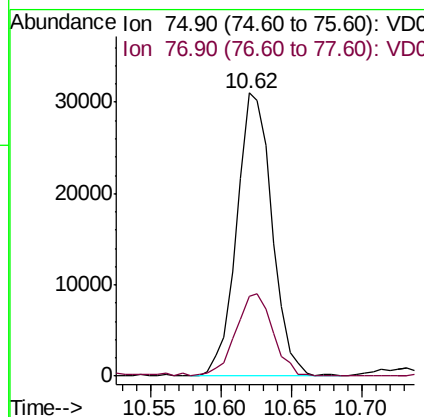
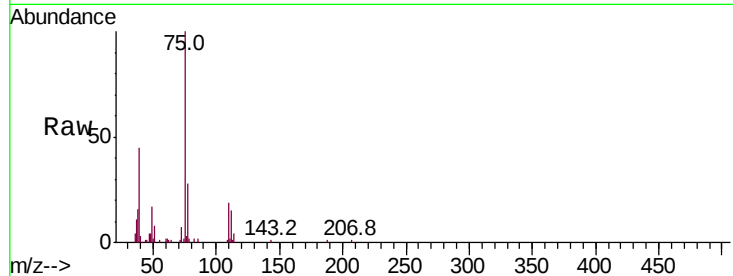
#53
t-1,3-Dichloropropene
Concen: 18.615 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.3	22.8	34.2

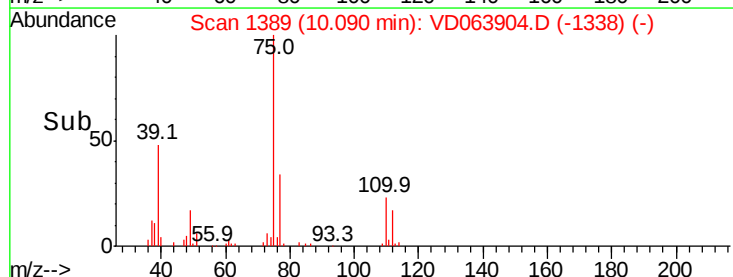
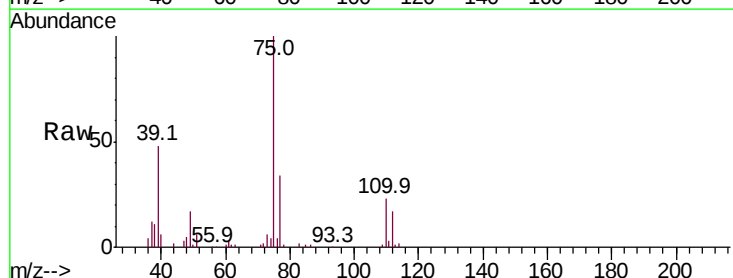
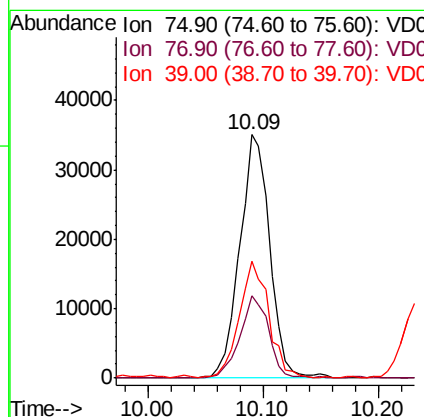
Manual Integrations
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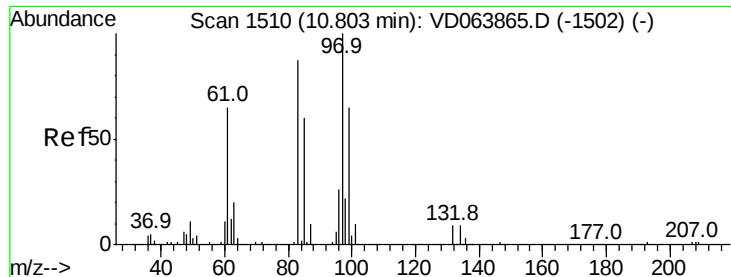
MMDadoda
10/11/2019 10:24:05 AM



#54
cis-1,3-Dichloropropene
Concen: 18.869 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.7	23.2	34.8
39	48.1	41.5	62.3





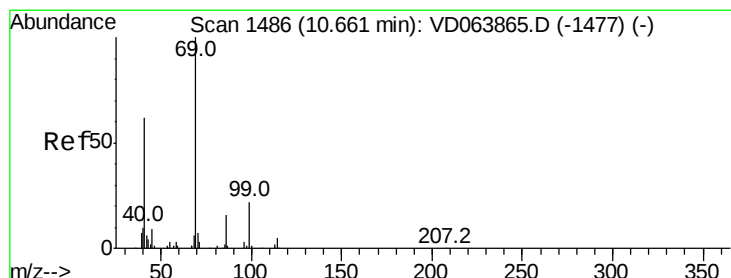
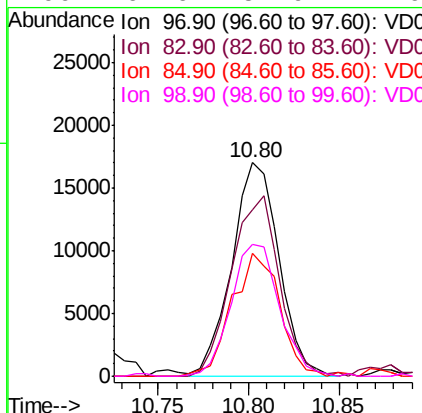
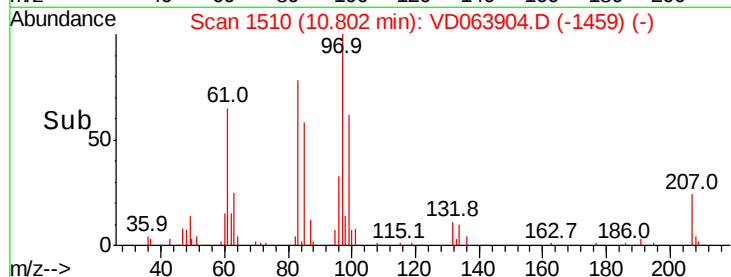
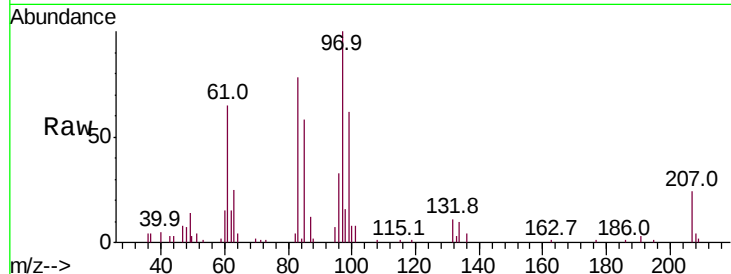
#55
 1,1,2-Trichloroethane
 Concen: 18.848 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	97	Resp	30800
Ion	Ratio	Lower	Upper
97	100		
83	77.9	69.7	104.5
85	56.8	48.1	72.1
99	61.6	51.9	77.9

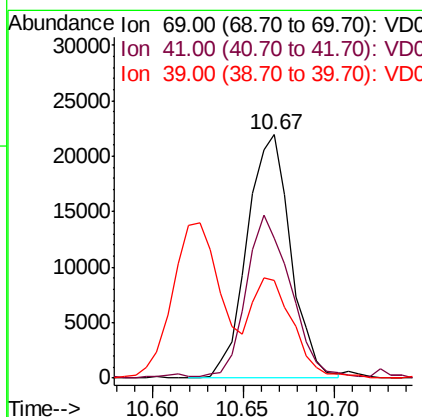
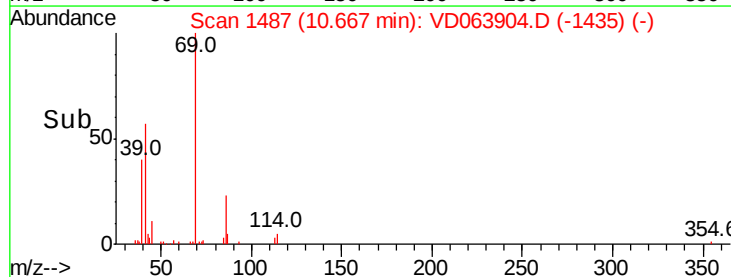
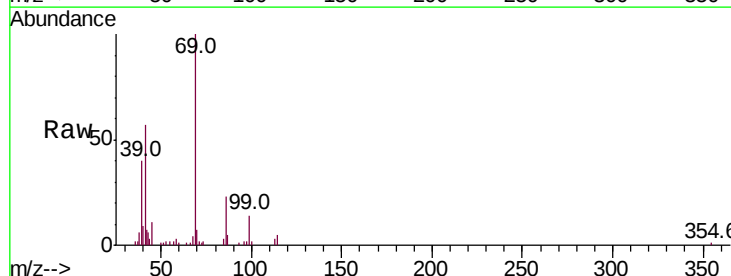
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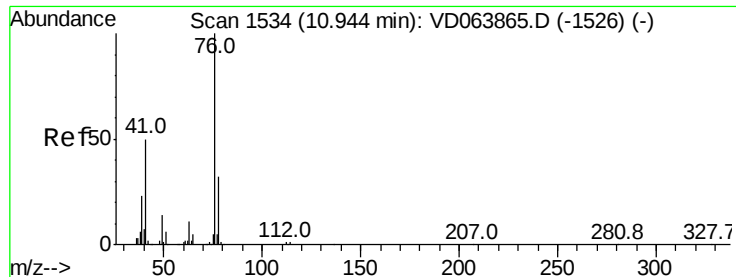
MMDadoda
 10/11/2019 10:24:05 AM



#56
 Ethyl methacrylate
 Concen: 17.803 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion	69	Resp	36842
Ion	Ratio	Lower	Upper
69	100		
41	66.9	51.3	76.9
39	38.3	28.0	42.0





#57

1,3-Dichloropropane

Concen: 18.672 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D

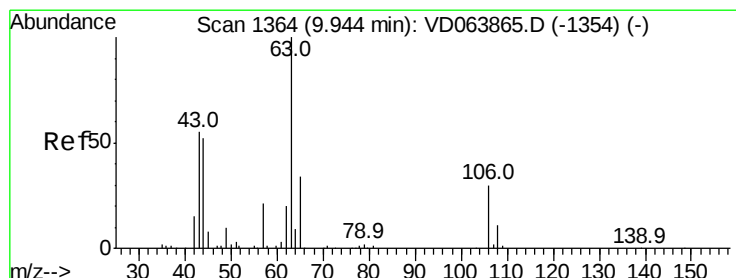
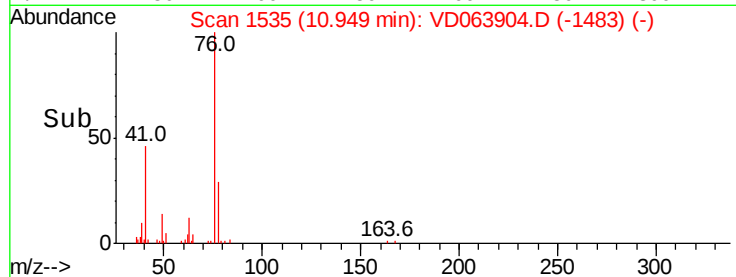
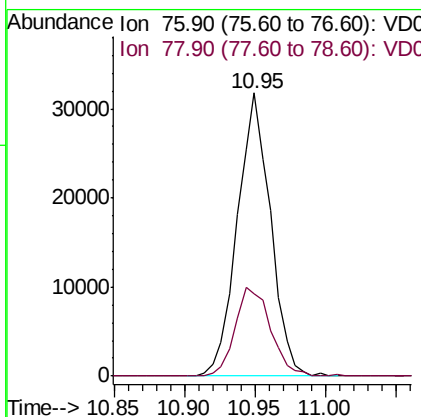
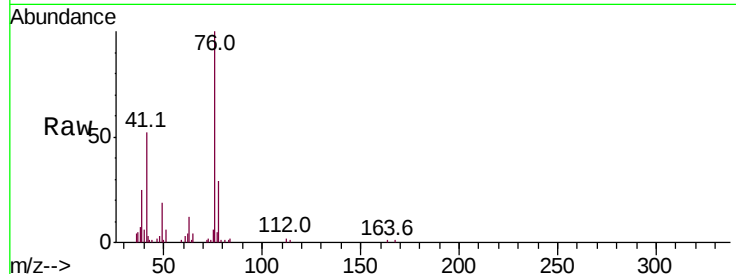
ClientSampleId :
VD1010SBS01

Tot Ion: 76 Resp: 52208

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.6	40.0

Manual Integrations
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MMDadoda
10/11/2019 10:24:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.268 ug/l

RT: 9.94 min Scan# 1364

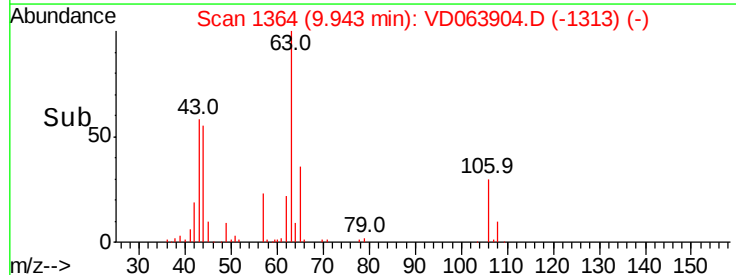
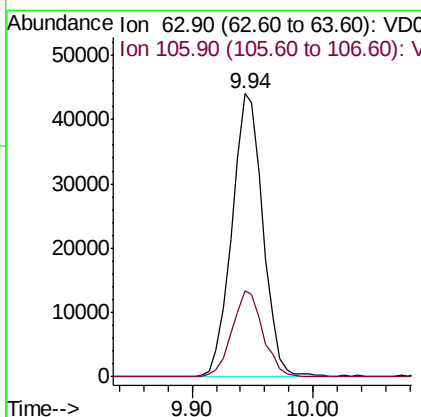
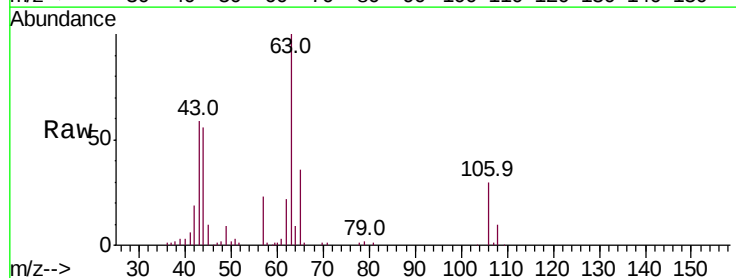
Delta R.T. -0.00 min

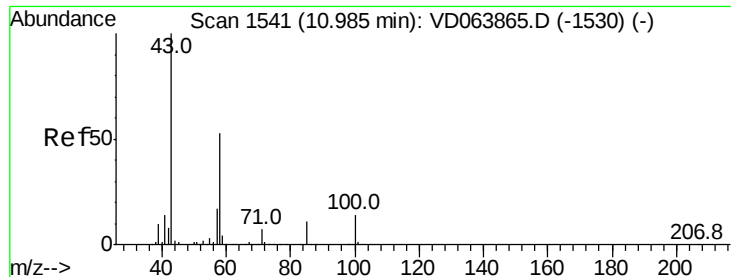
Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion: 63 Resp: 78517

Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.3	36.5





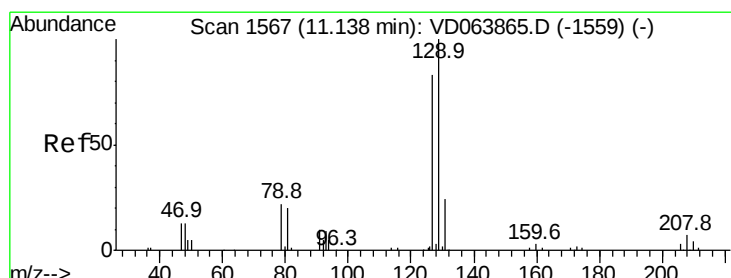
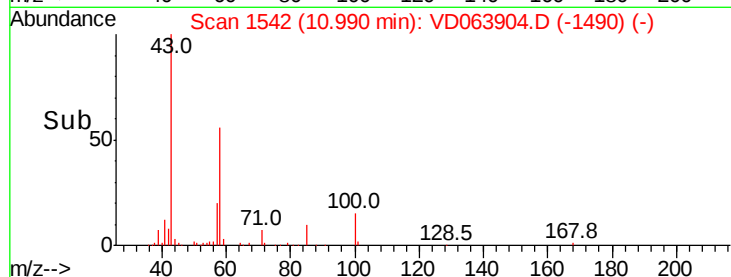
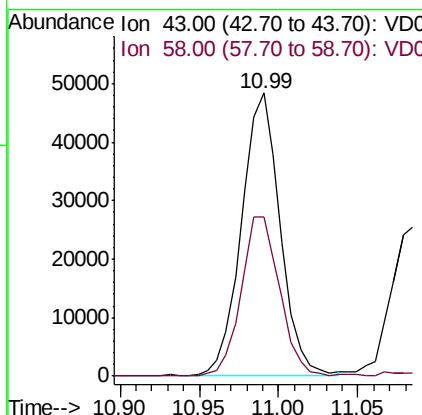
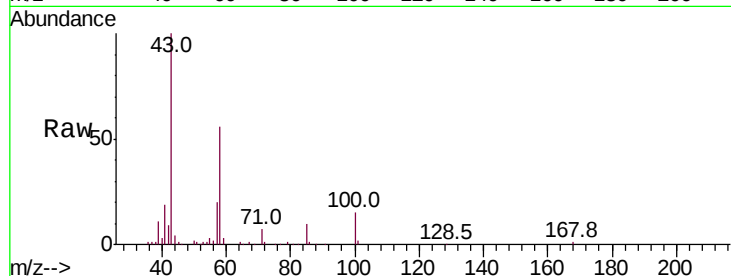
#59
2-Hexanone
Concen: 90.067 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion: 43 Resp: 82100
Ion Ratio Lower Upper
43 100
58 56.3 27.7 83.0

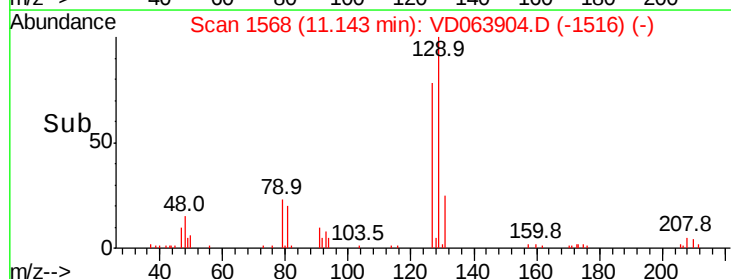
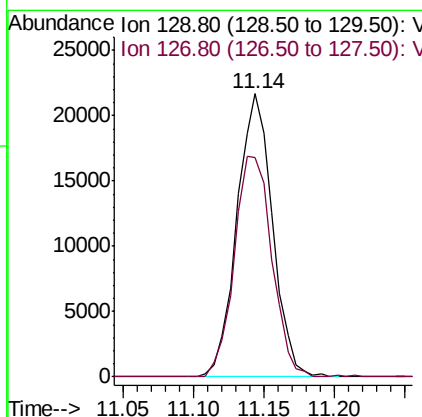
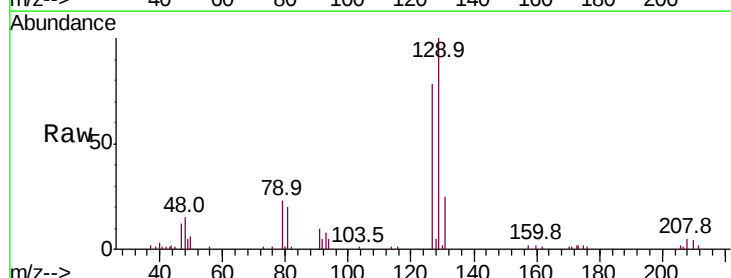
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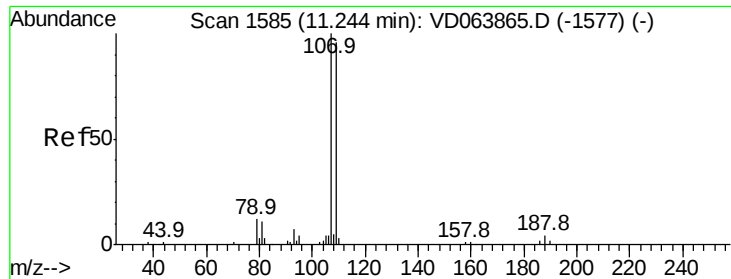
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#60
Dibromochloromethane
Concen: 17.931 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion: 129 Resp: 38149
Ion Ratio Lower Upper
129 100
127 82.2 39.9 119.6





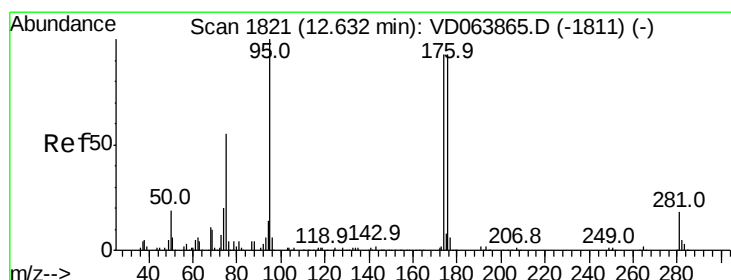
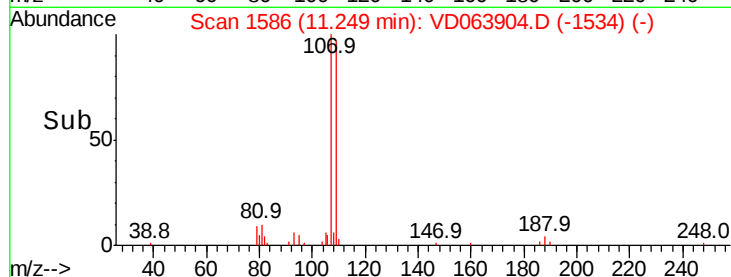
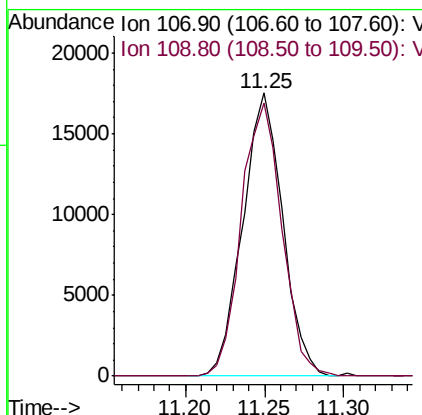
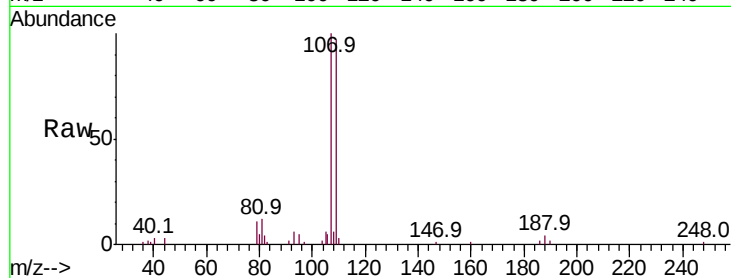
#61
 1,2-Dibromoethane
 Concen: 19.378 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

Tot Ion:107 Resp: 30700
 Ion Ratio Lower Upper
 107 100
 109 98.0 75.2 112.8

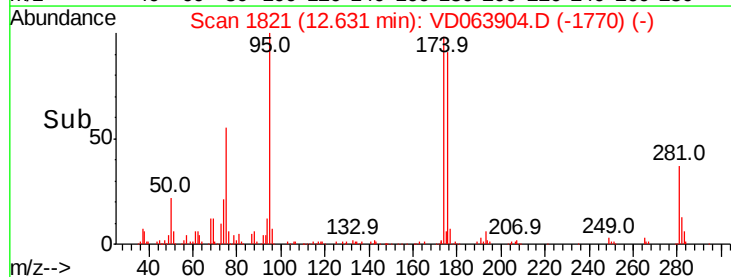
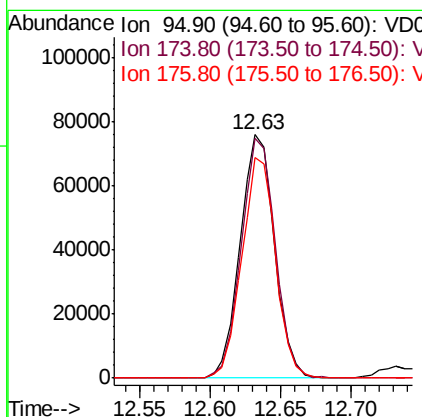
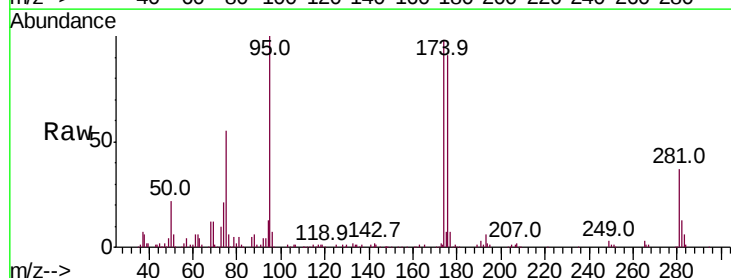
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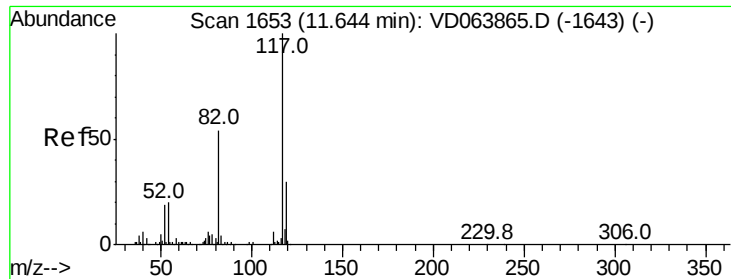
MMDadoda
 10/11/2019 10:24:05 AM



#62
 4-Bromofluorobenzene
 Concen: 47.333 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion: 95 Resp: 129285
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 186.4
 176 89.4 0.0 184.2





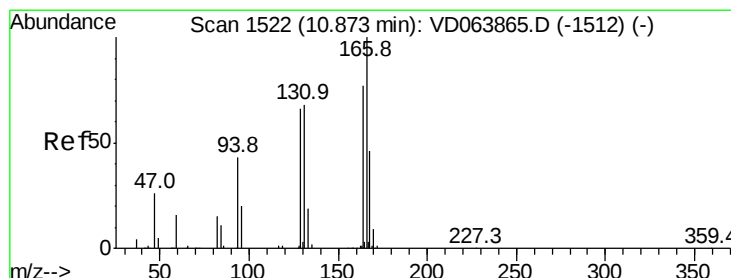
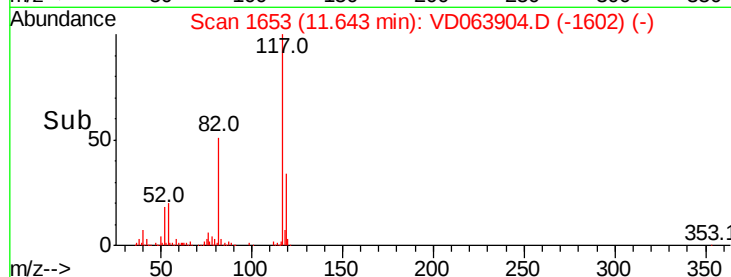
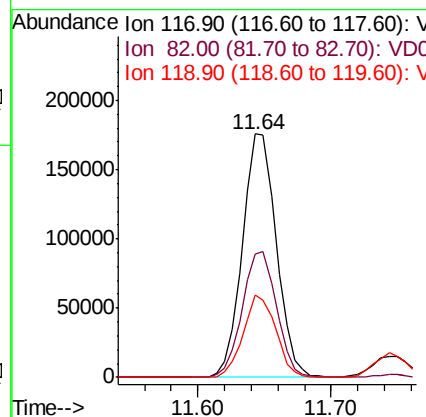
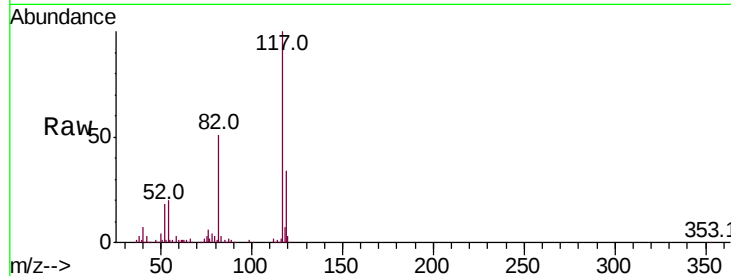
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.8	64.2
119	33.6	24.4	36.6

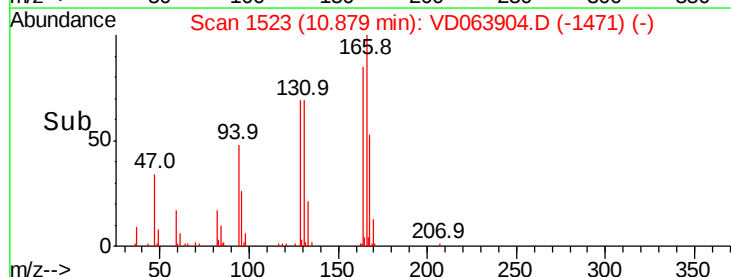
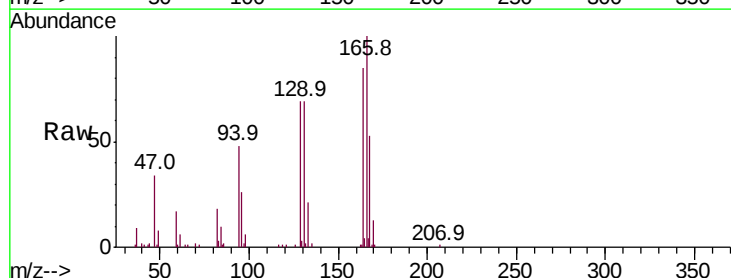
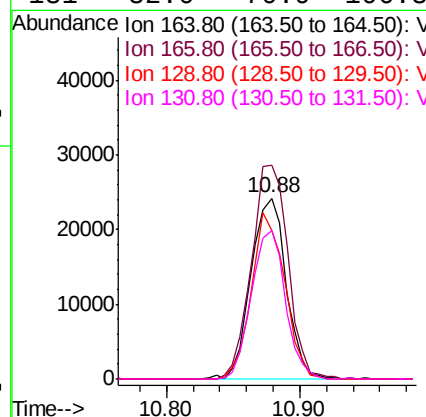
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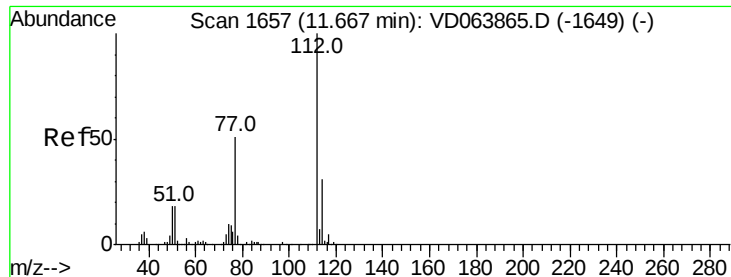
MMDadoda
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#64
Tetrachloroethene
Concen: 20.852 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.3	103.8	155.6
129	82.0	68.9	103.3
131	82.0	70.9	106.3





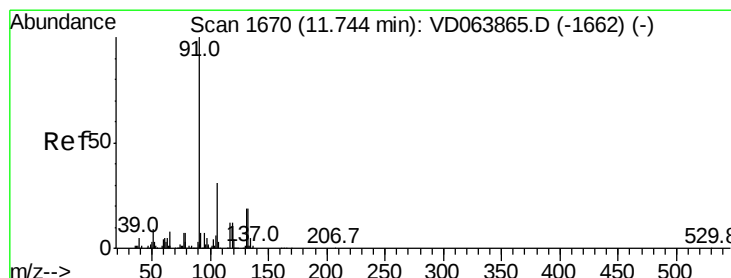
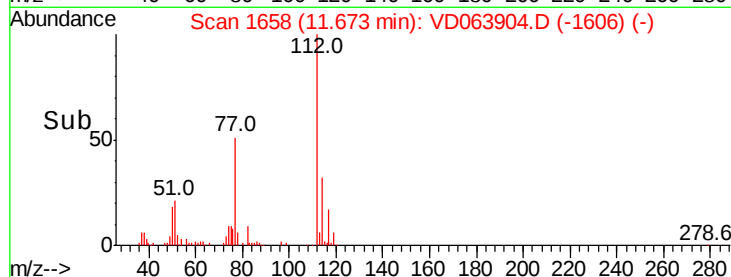
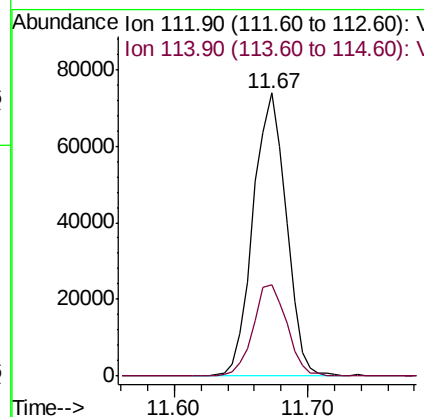
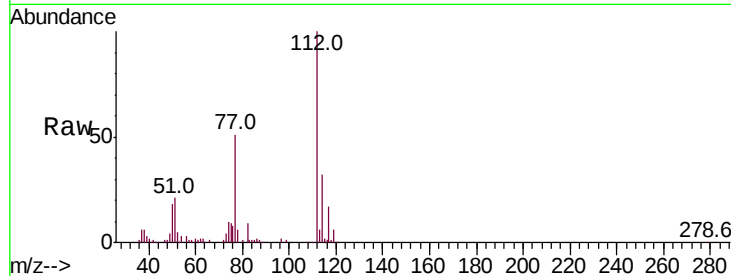
#65
Chlorobenzene
Concen: 20.360 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion:112 Resp: 126439
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7

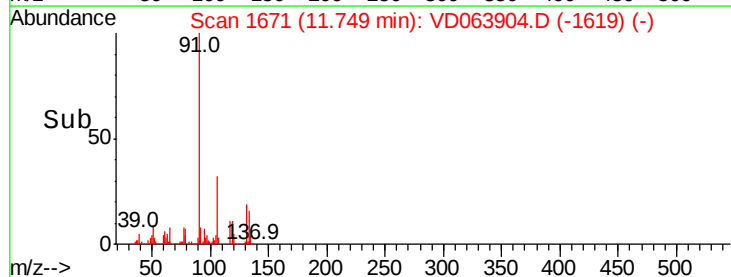
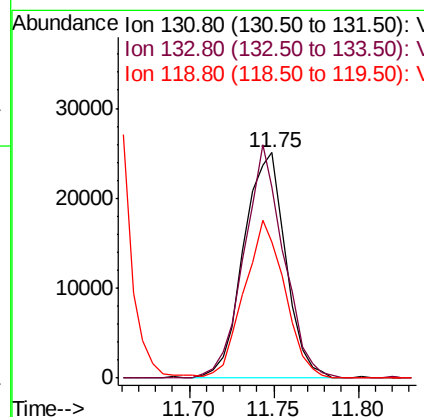
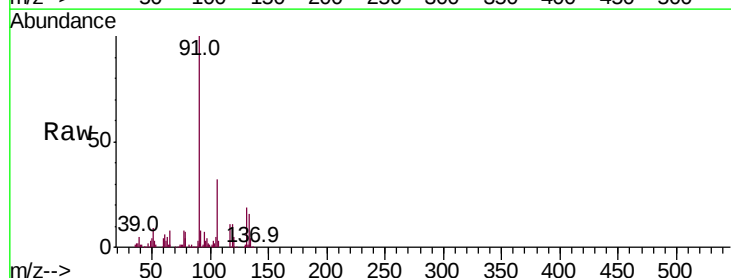
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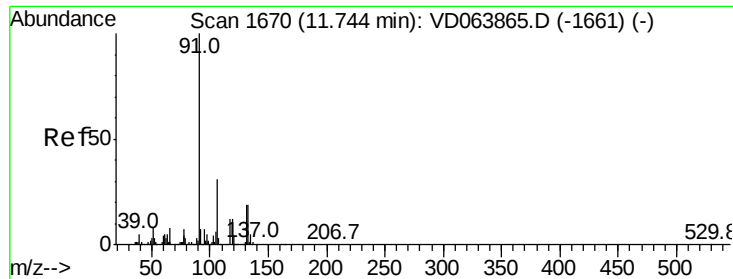
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.922 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion:131 Resp: 43301
Ion Ratio Lower Upper
131 100
133 97.5 48.9 146.7
119 68.0 32.6 97.8





#67

Ethyl Benzene

Concen: 19.978 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 91 Resp: 223716

Ion Ratio Lower Upper

91 100

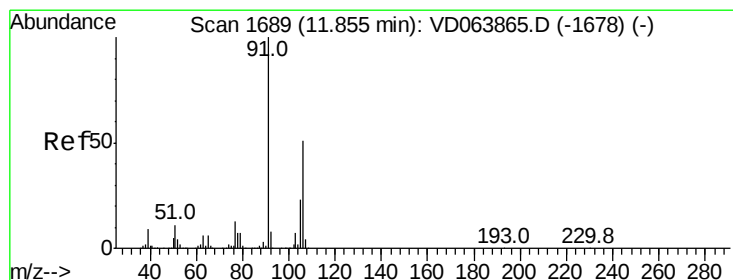
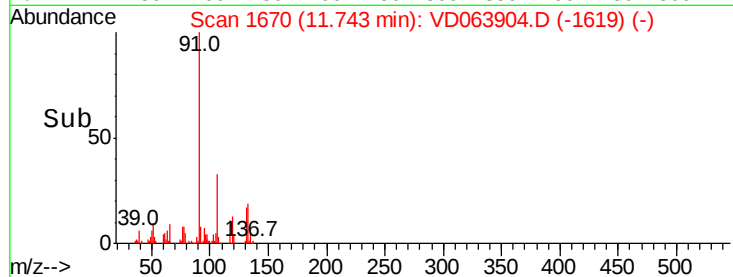
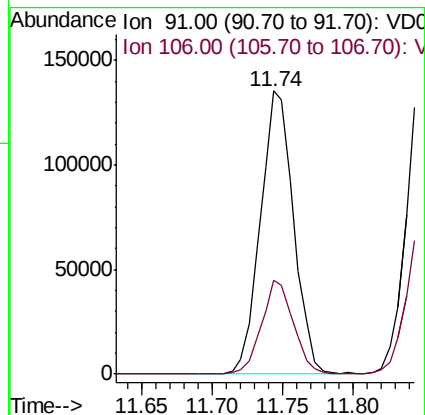
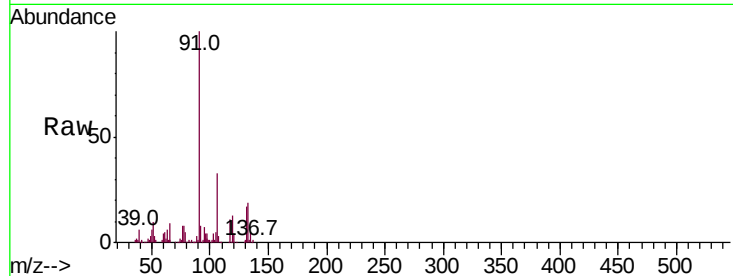
106 33.2 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.016 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063904.D

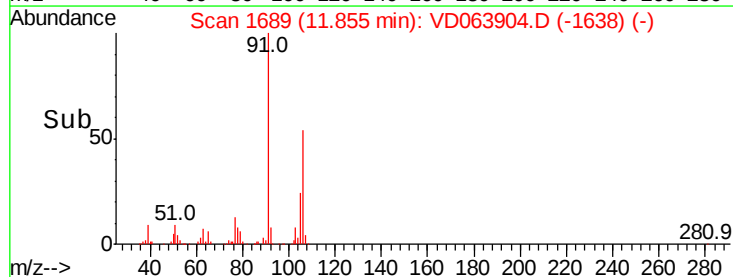
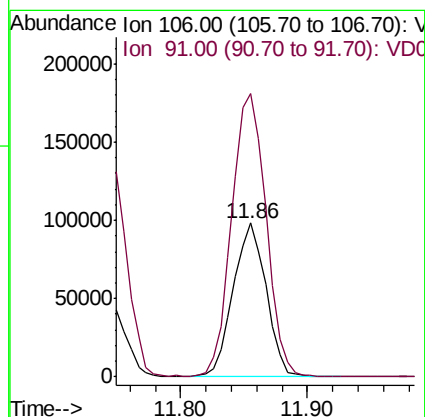
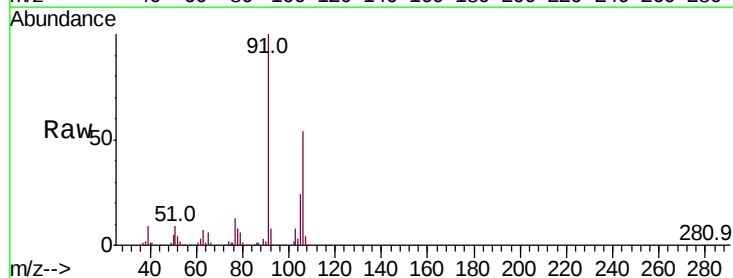
Acq: 10 Oct 2019 12:23

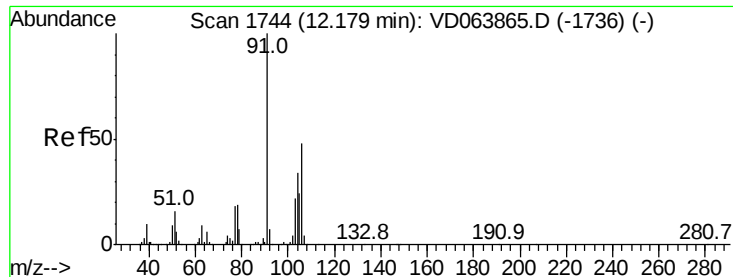
Tgt Ion: 106 Resp: 177286

Ion Ratio Lower Upper

106 100

91 191.6 154.8 232.2





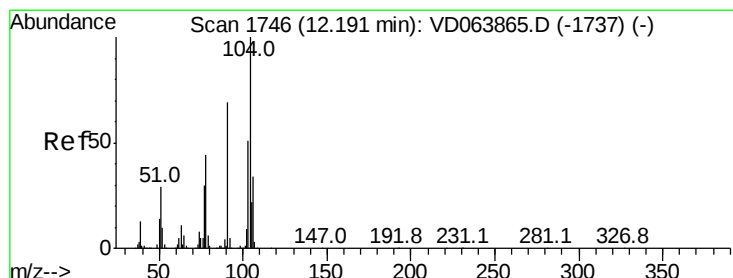
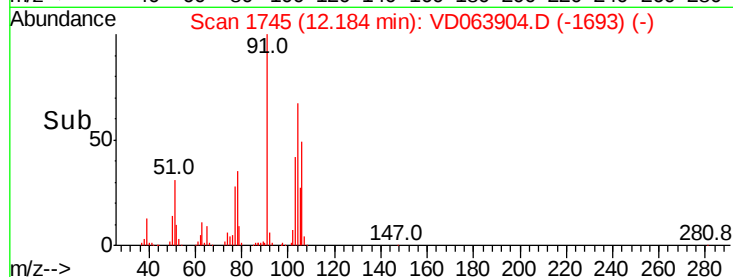
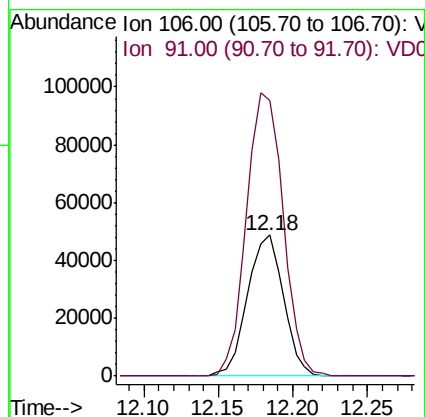
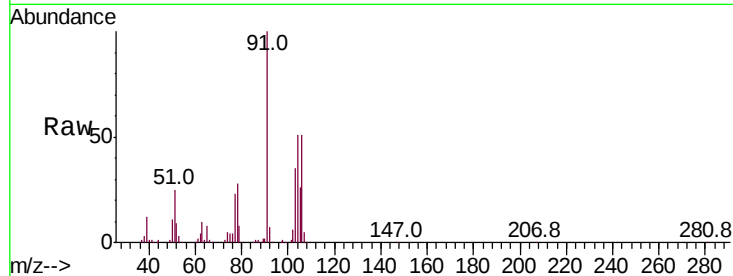
#69
o-Xylene
Concen: 19.682 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion:106 Resp: 81460
Ion Ratio Lower Upper
106 100
91 205.6 103.9 311.7

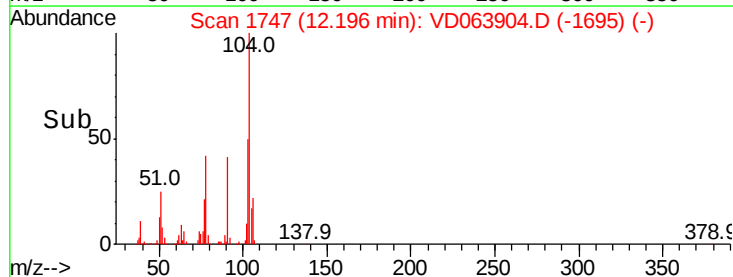
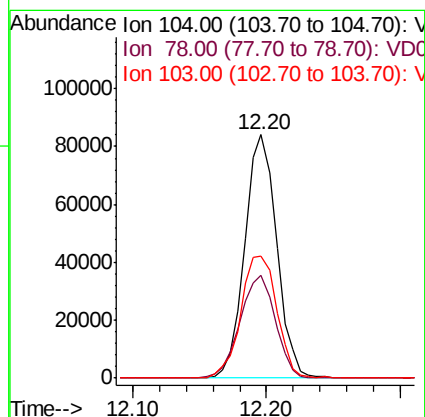
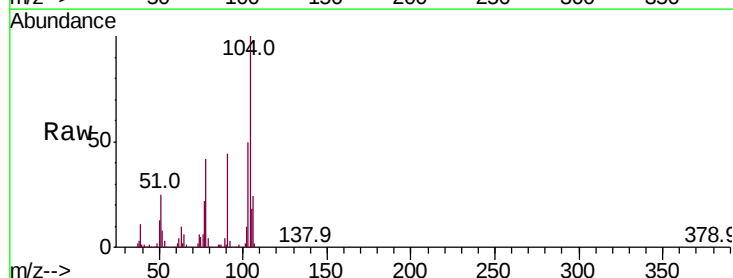
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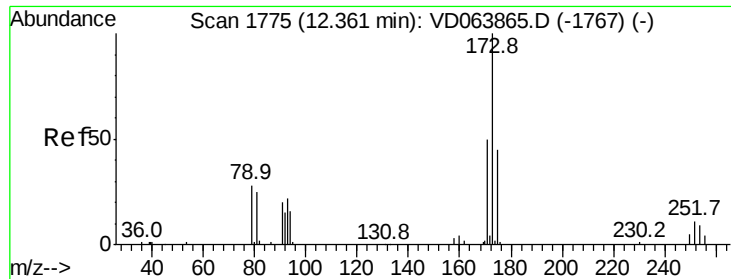
MMDadoda
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#70
Styrene
Concen: 19.812 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion:104 Resp: 138814
Ion Ratio Lower Upper
104 100
78 46.9 37.0 55.4
103 56.7 44.2 66.4





#71

Bromoform

Concen: 18.371 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:173 Resp: 22561

Ion Ratio Lower Upper

173 100

175 54.2 24.6 74.0

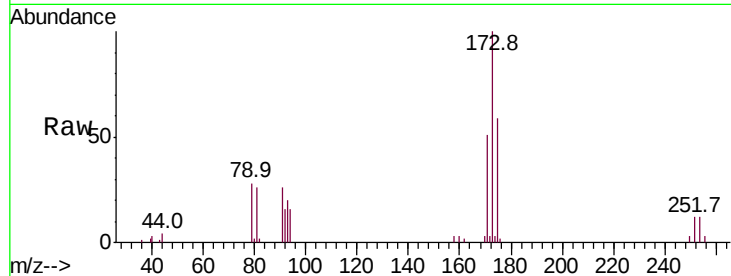
254 0.0 0.0 0.0

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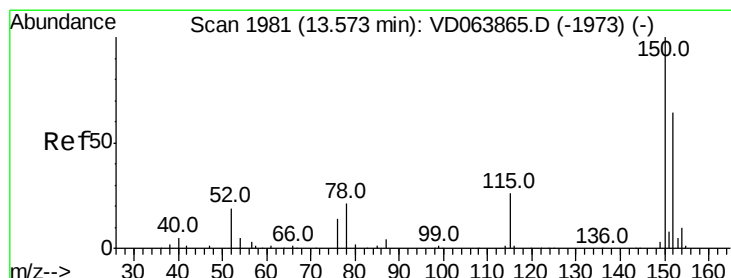
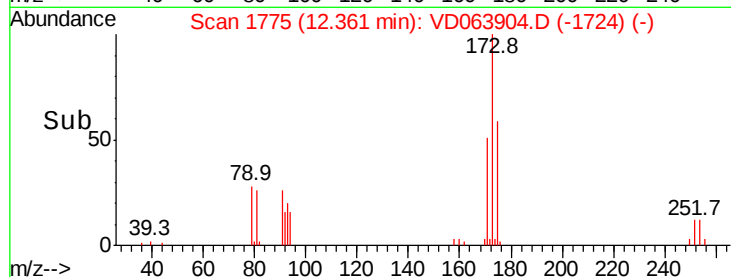
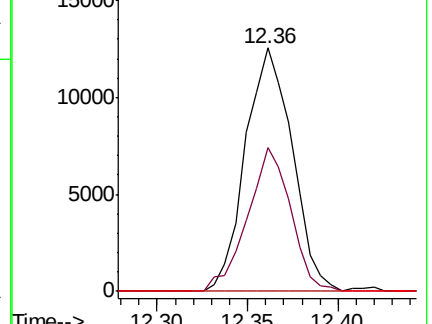
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

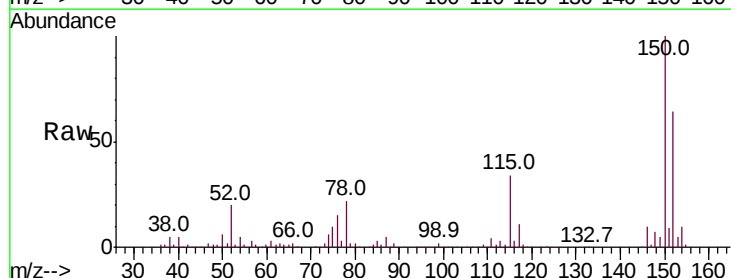
Tgt Ion:152 Resp: 161545

Ion Ratio Lower Upper

152 100

115 54.1 25.9 77.7

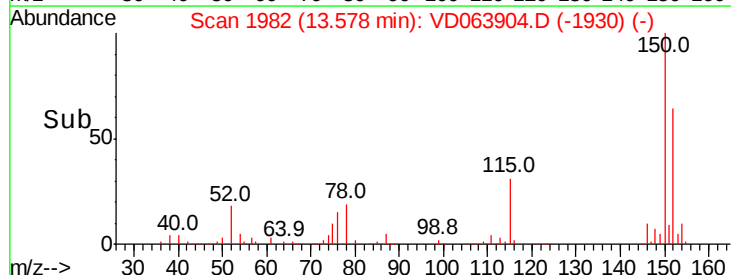
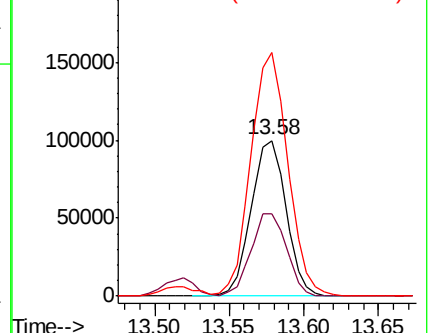
150 165.8 0.0 344.2

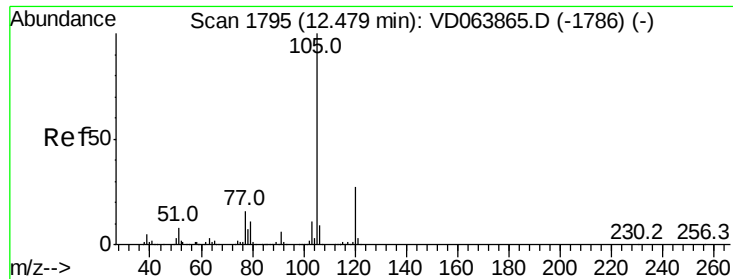


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.674 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:105 Resp: 224517

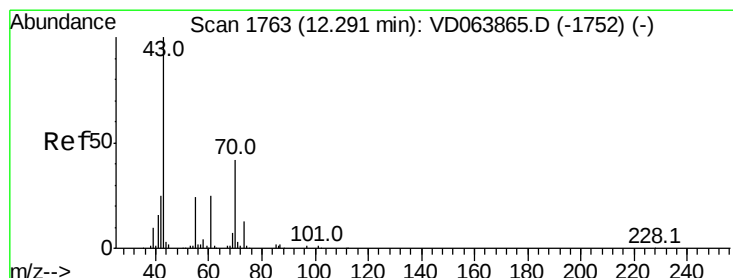
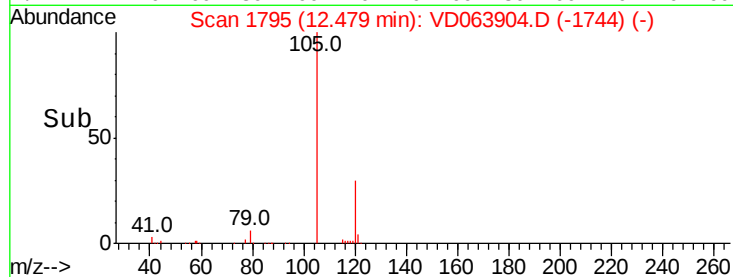
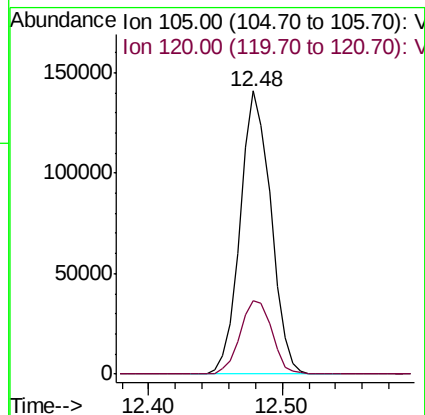
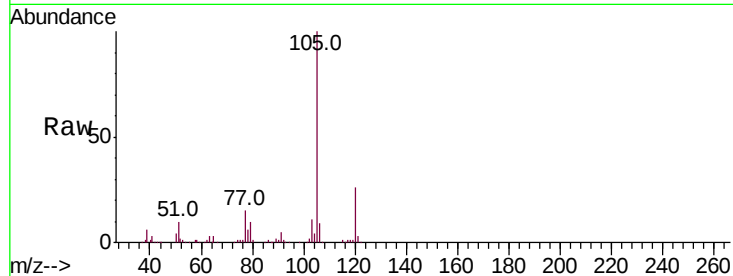
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.078 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion: 43 Resp: 44607

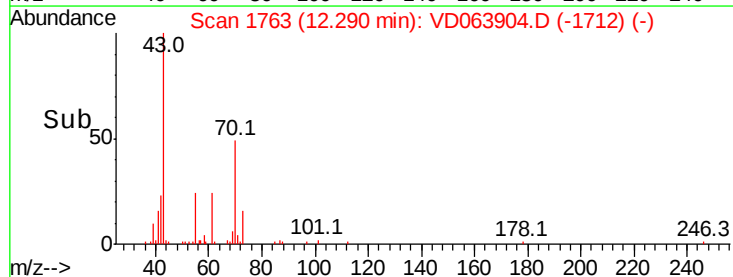
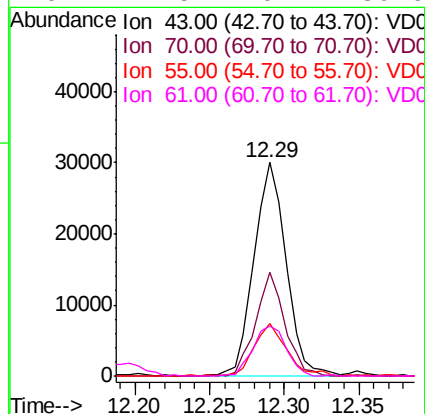
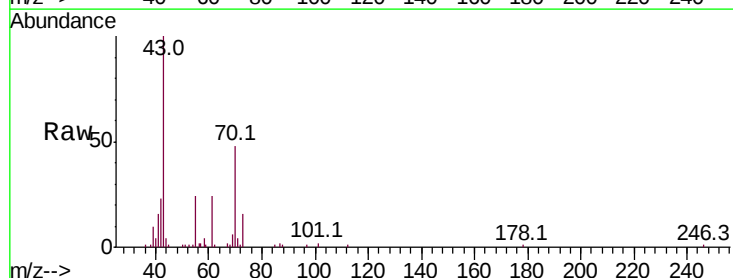
Ion Ratio Lower Upper

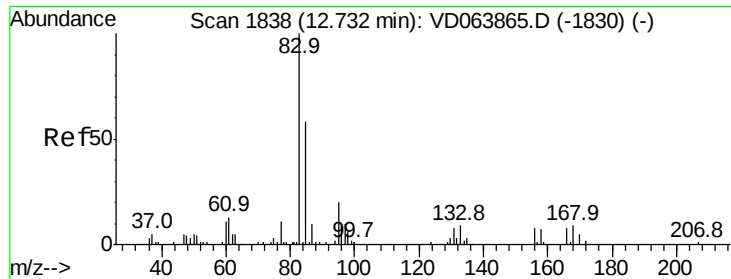
43 100

70 44.0 35.8 53.6

55 24.9 19.4 29.0

61 24.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.190 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

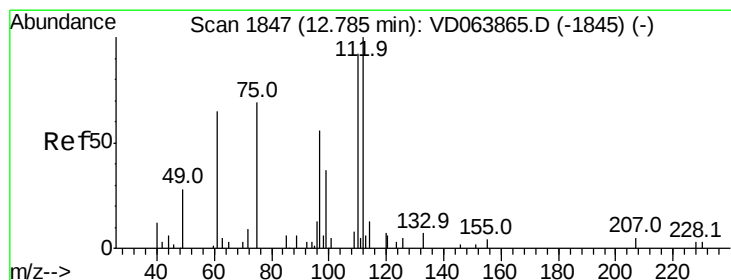
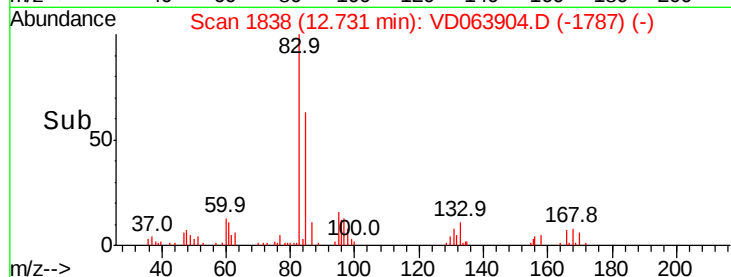
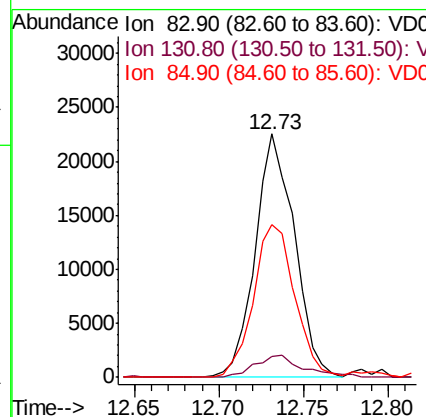
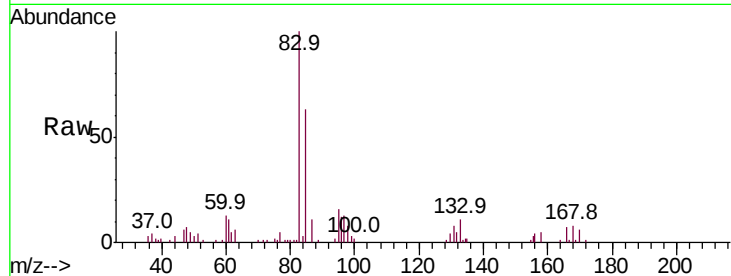
ClientSampleId :

VD1010SBSD01

Tot Ion:	83	Resp:	36264
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.6	16.8
85	66.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 26.699 ug/l m

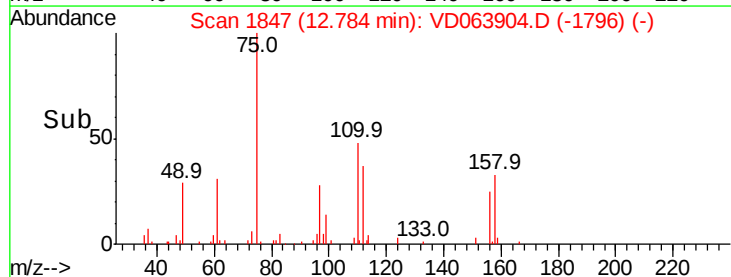
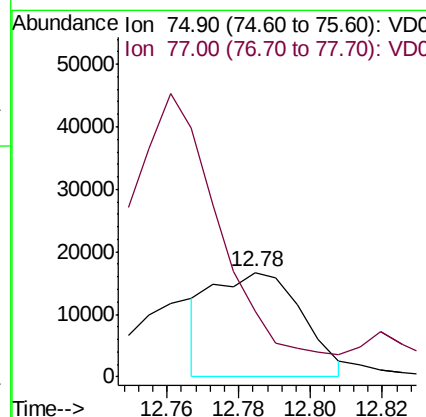
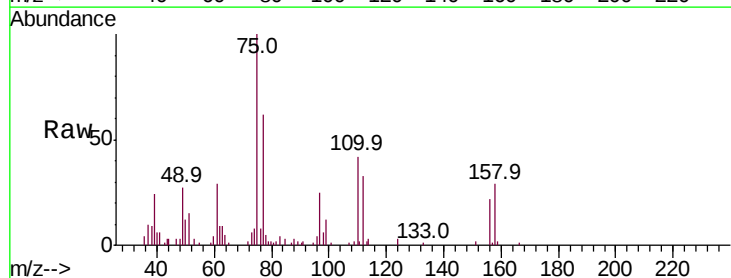
RT: 12.78 min Scan# 1847

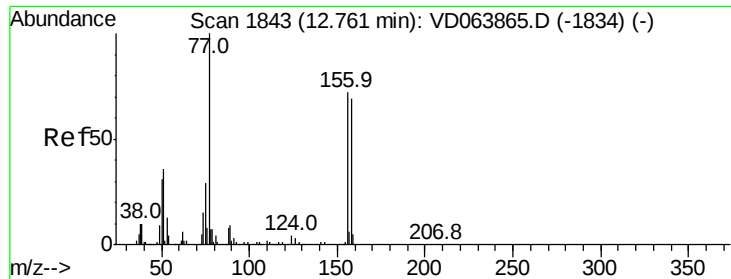
Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion:	75	Resp:	28888
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.716 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:156 Resp: 53345

Ion Ratio Lower Upper

156 100

77 159.1 80.3 241.0

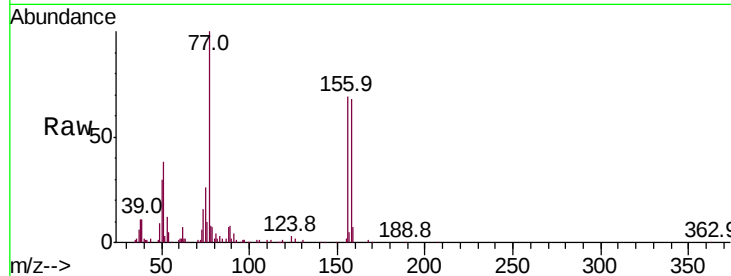
158 96.9 47.4 142.2

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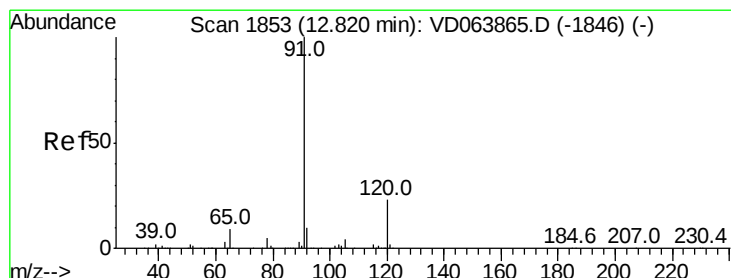
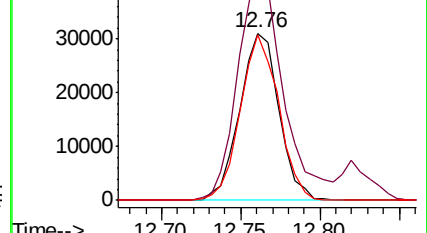
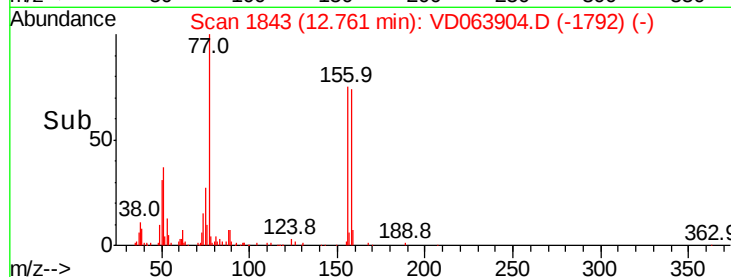
10/11/2019 10:24:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.875 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063904.D

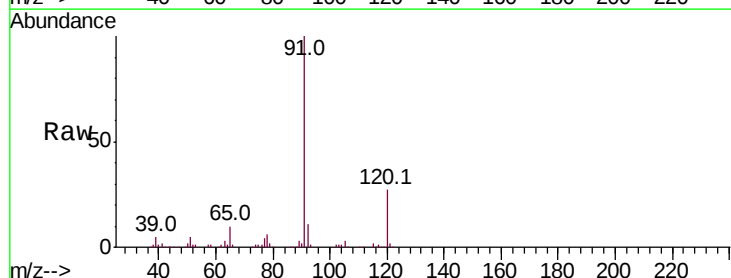
Acq: 10 Oct 2019 12:23

Tgt Ion: 91 Resp: 266096

Ion Ratio Lower Upper

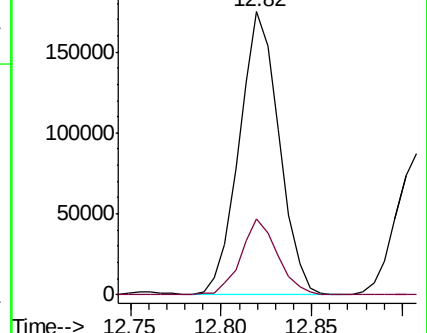
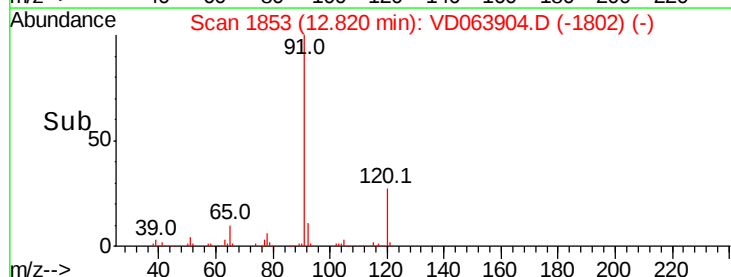
91 100

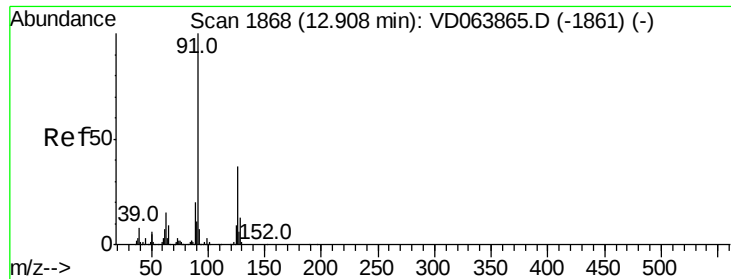
120 24.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





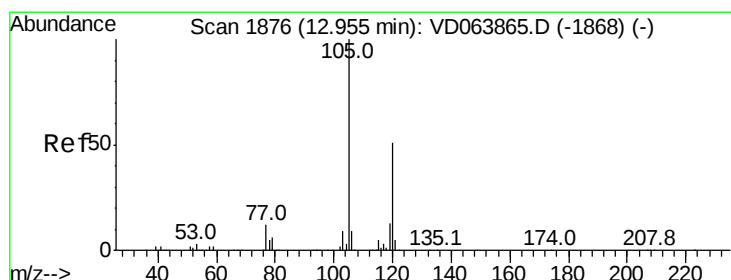
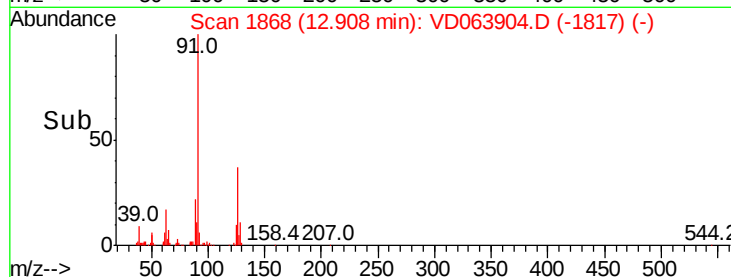
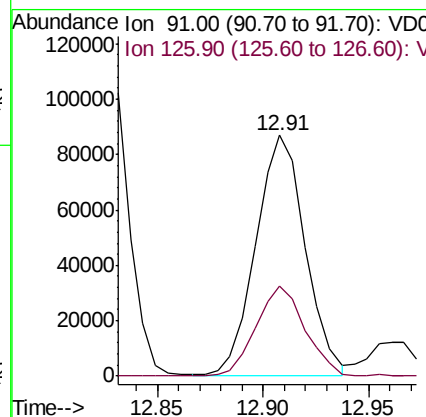
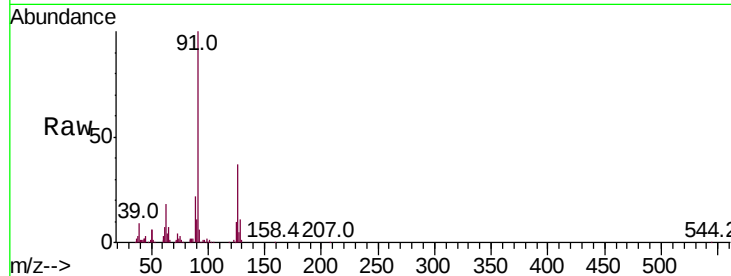
#79
 2-Chlorotoluene
 Concen: 20.011 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion: 91 Resp: 140653
 Ion Ratio Lower Upper
 91 100
 126 37.5 18.4 55.2

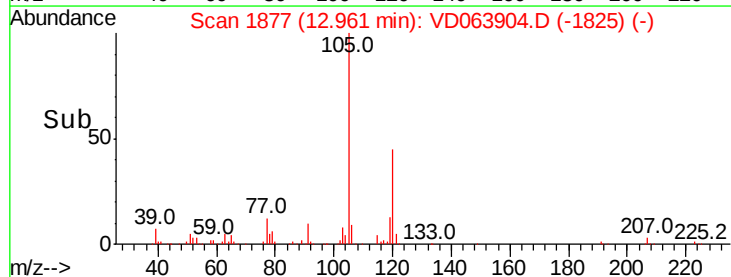
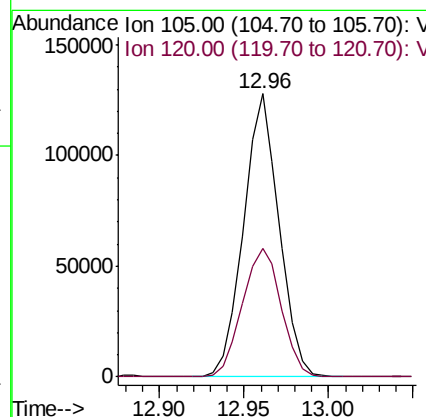
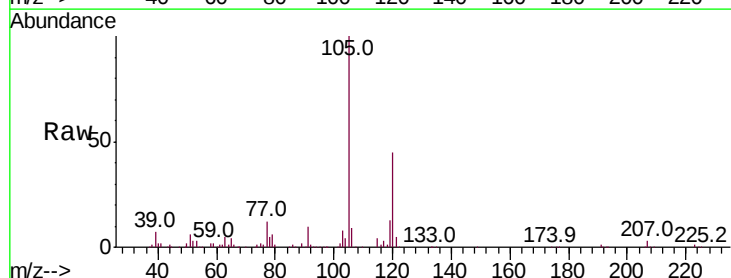
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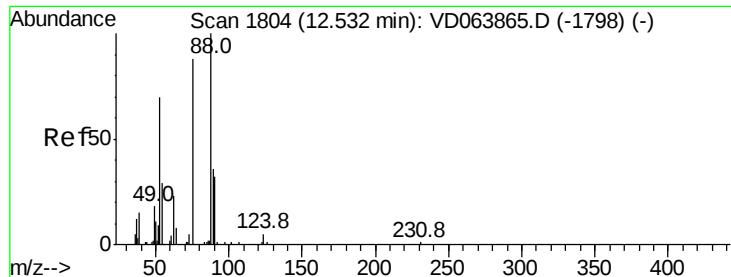
MMDadoda
 10/11/2019 10:24:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.623 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion: 105 Resp: 186849
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.9 77.8





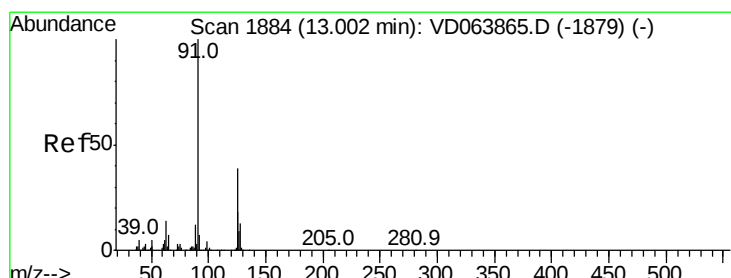
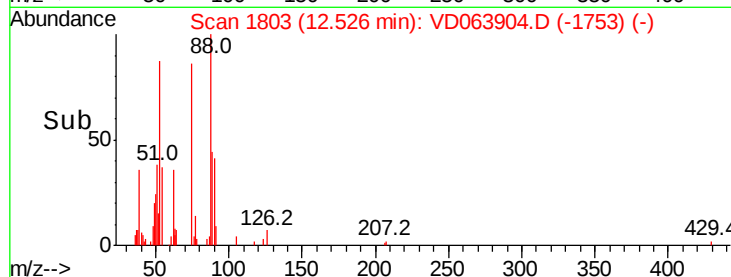
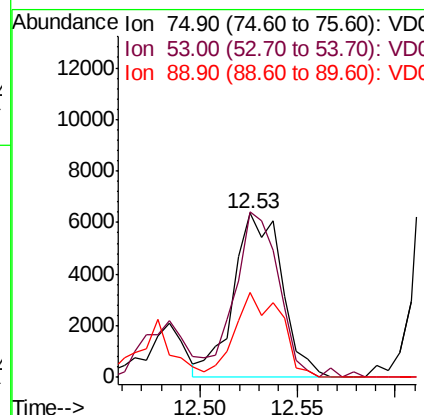
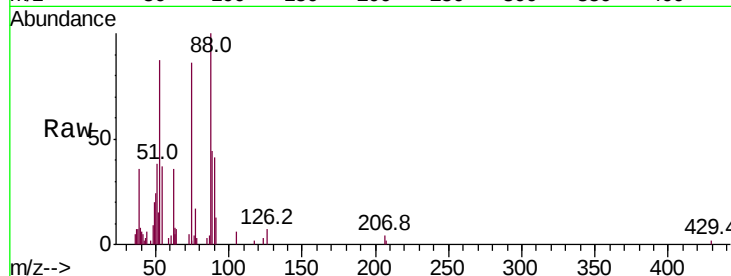
#81
trans-1,4-Dichloro-2-butene
Concen: 17.925 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	75.0	112.6
89	48.8	38.2	57.4

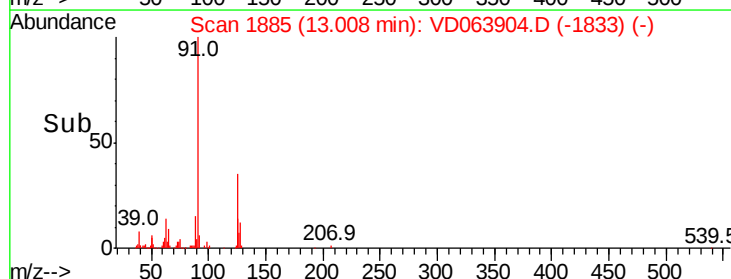
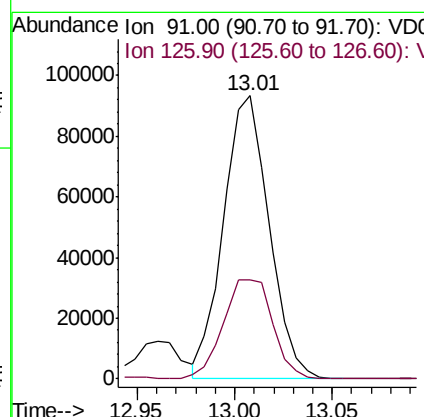
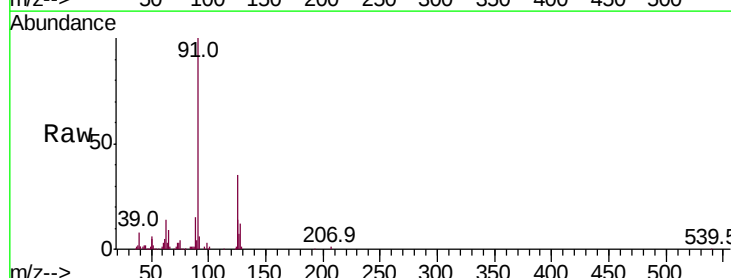
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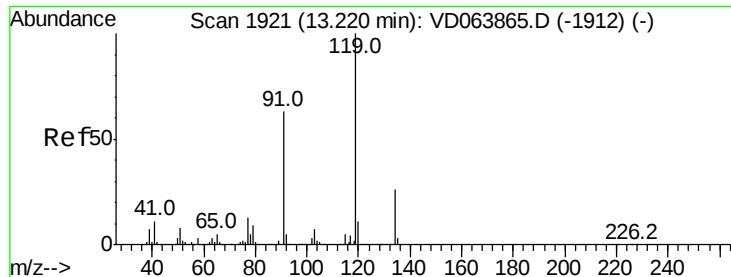
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#82
4-Chlorotoluene
Concen: 20.297 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.1	18.6	55.8





#83

tert-Butylbenzene

Concen: 20.252 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Instrument :

MSVOA_D

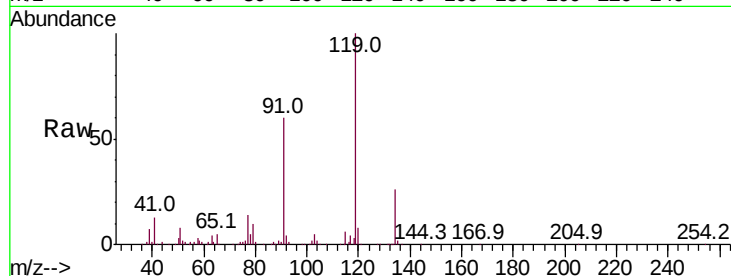
ClientSampleId :

VD1010SBS01

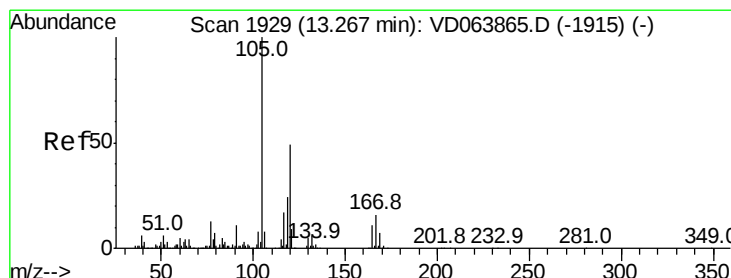
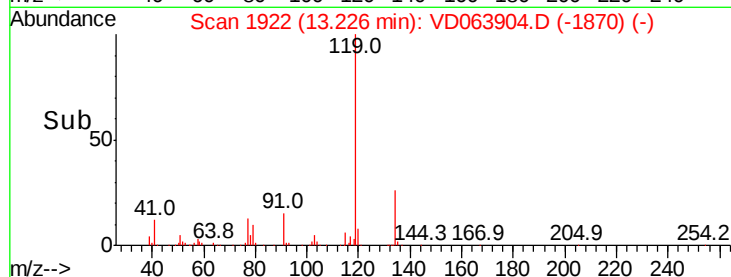
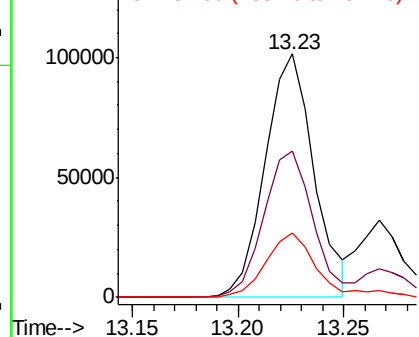
Tot Ion:	119	Resp:	163297
Ion Ratio	Lower	Upper	
119	100		
91	60.3	30.0	90.0
134	28.4	13.0	38.9

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.406 ug/l

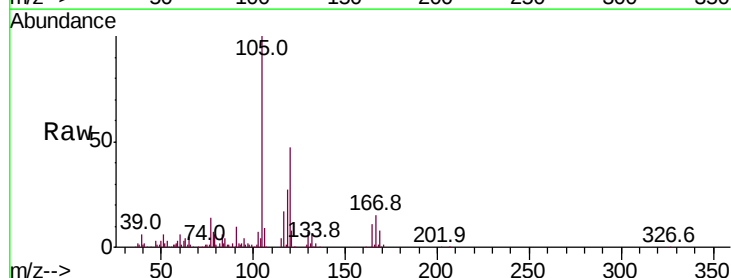
RT: 13.27 min Scan# 1929

Delta R.T. -0.00 min

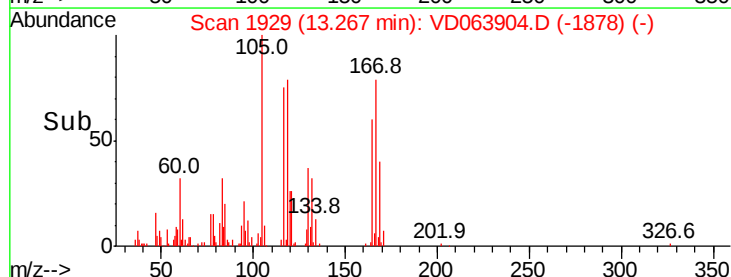
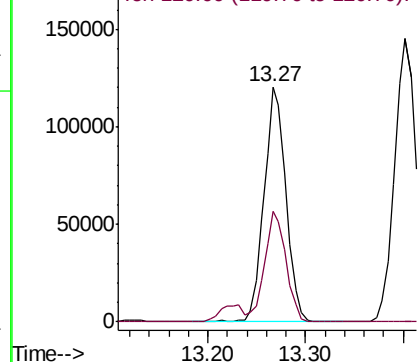
Lab File: VD063904.D

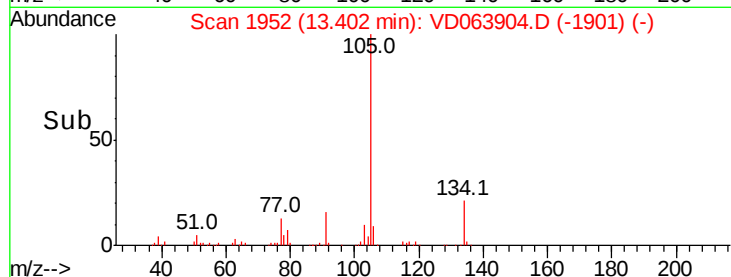
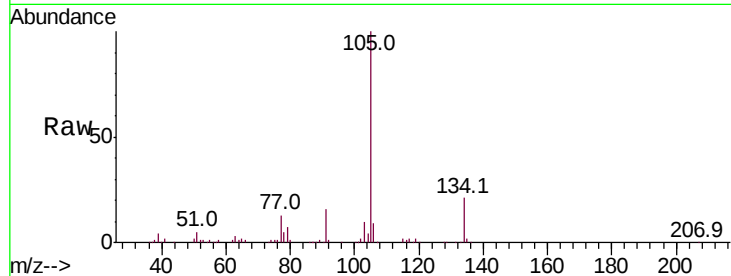
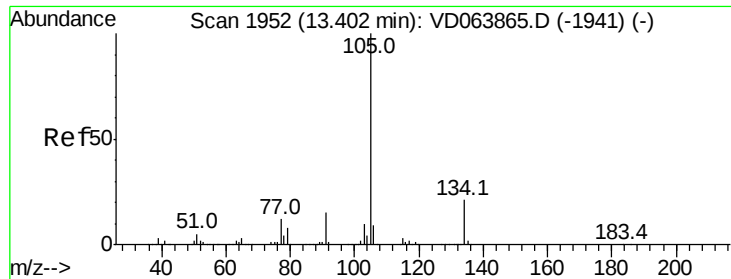
Acq: 10 Oct 2019 12:23

Tgt Ion:	105	Resp:	190599
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.8	71.5



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





#85

sec-Butylbenzene

Concen: 20.787 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

Instrument :

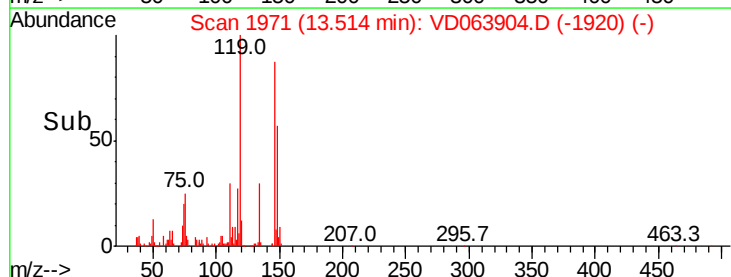
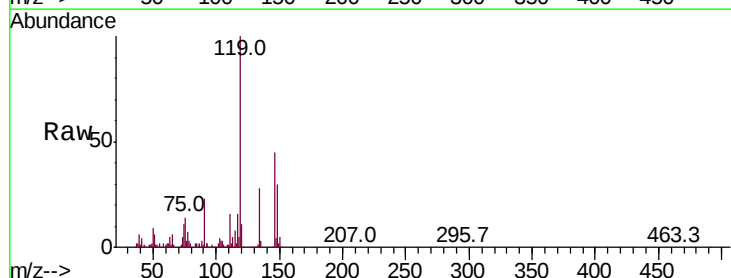
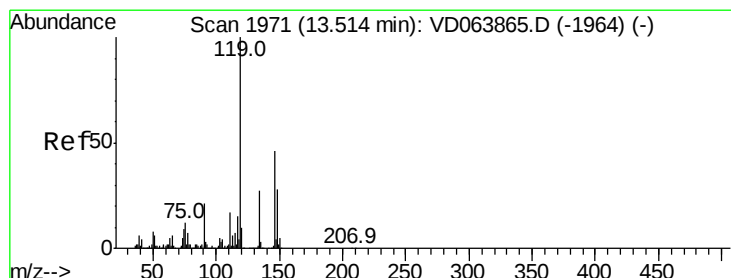
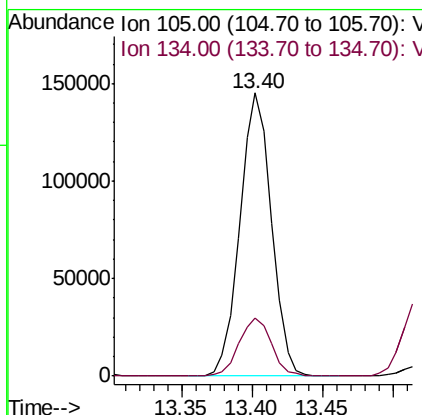
MSVOA_D

ClientSampleId :

VD1010SBS01

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#86

p-Isopropyltoluene

Concen: 20.451 ug/l

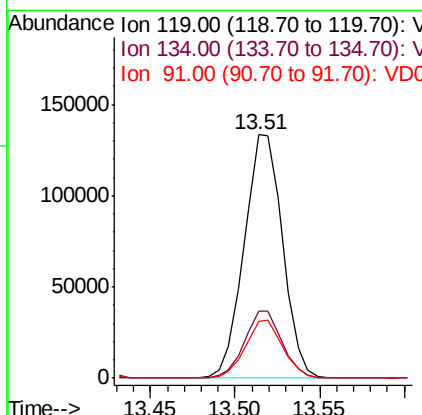
RT: 13.51 min Scan# 1971

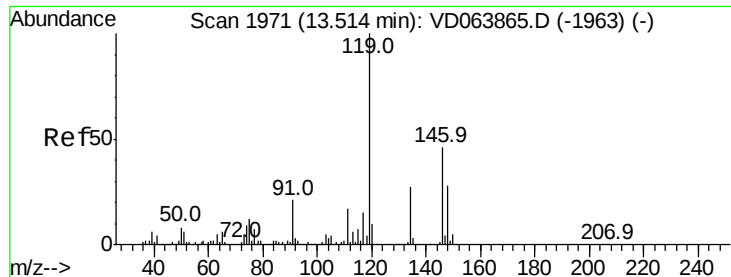
Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.9	41.6
91	23.4	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 19.497 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

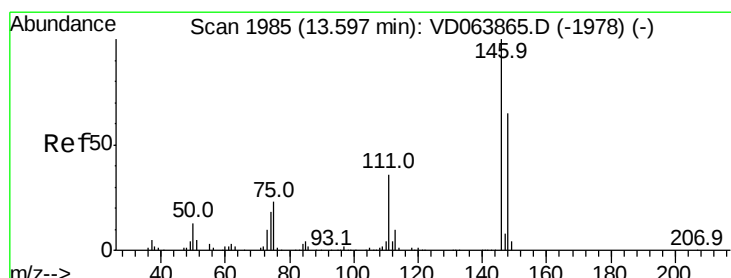
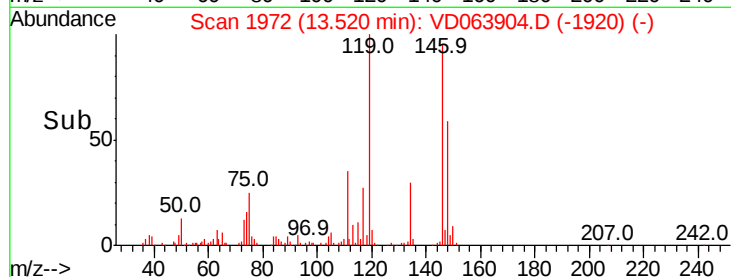
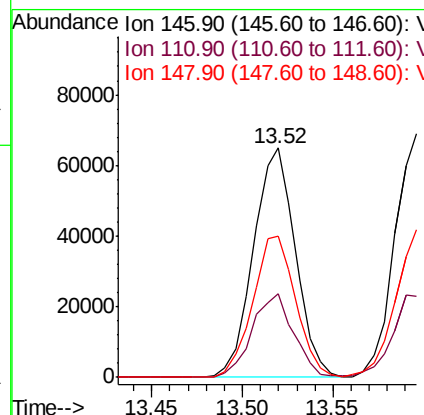
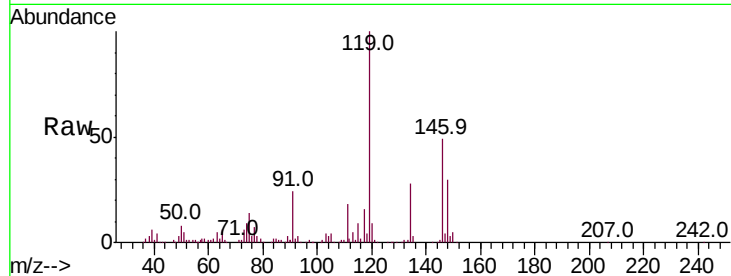
Instrument :
MSVOA_D

ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.3	54.9
148	63.2	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 21.234 ug/l

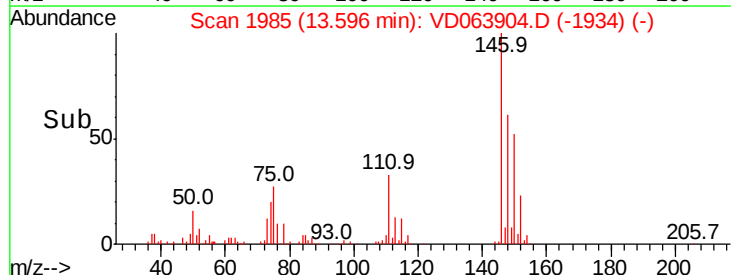
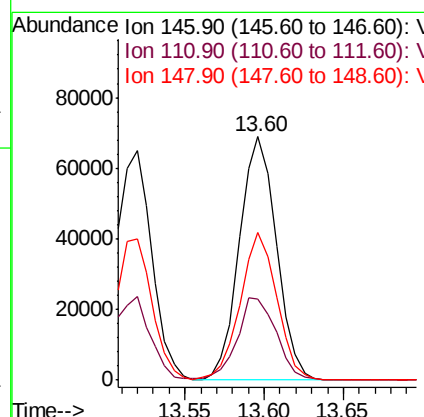
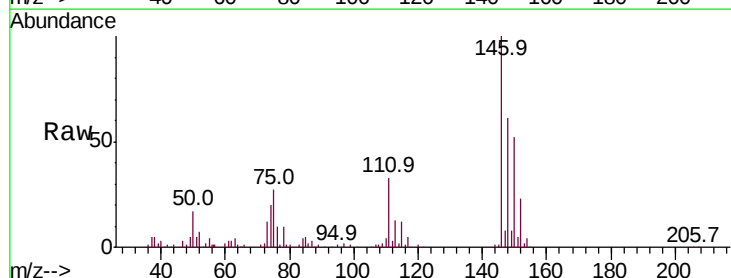
RT: 13.60 min Scan# 1985

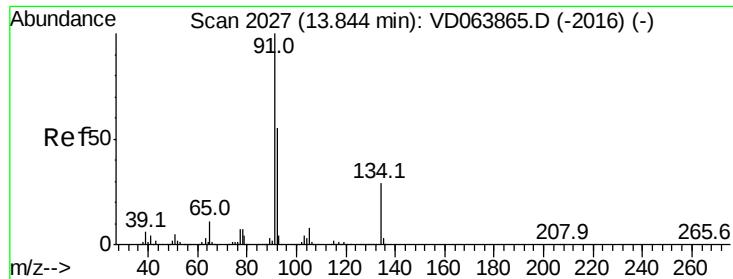
Delta R.T. -0.00 min

Lab File: VD063904.D

Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.6	56.0
148	59.8	32.6	98.0





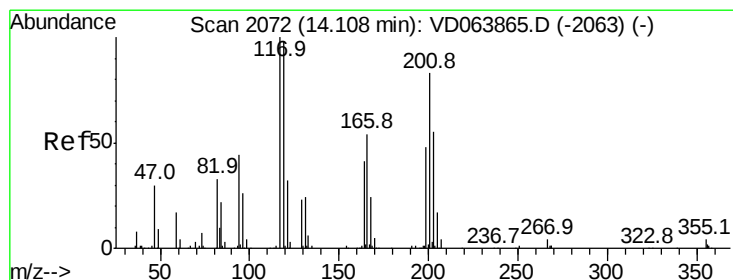
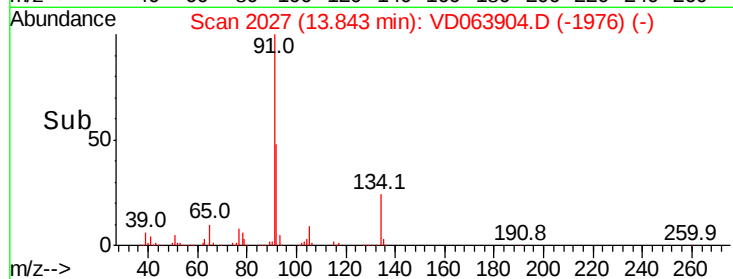
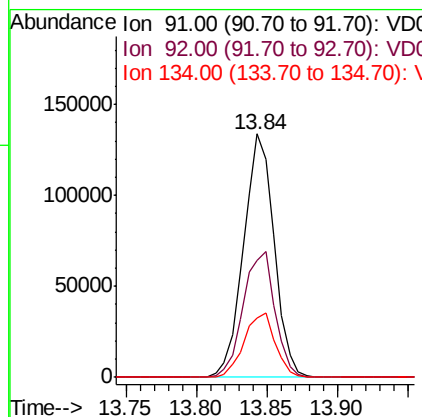
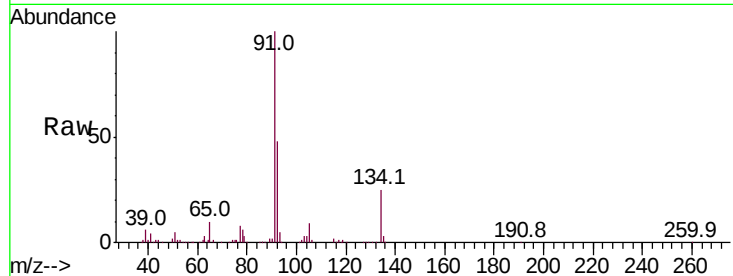
#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203360		
92	53.7	26.8	80.3	
134	26.8	14.4	43.0	

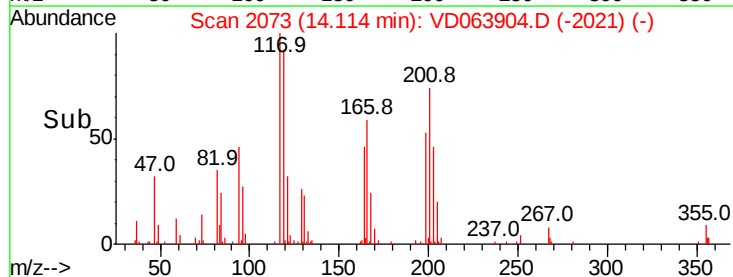
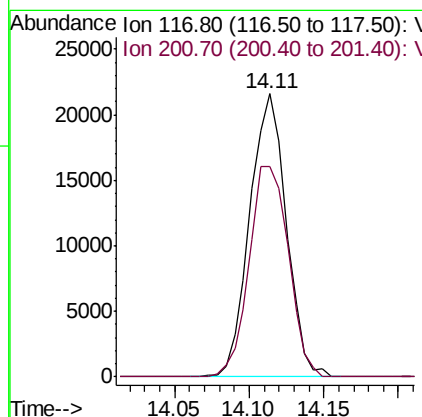
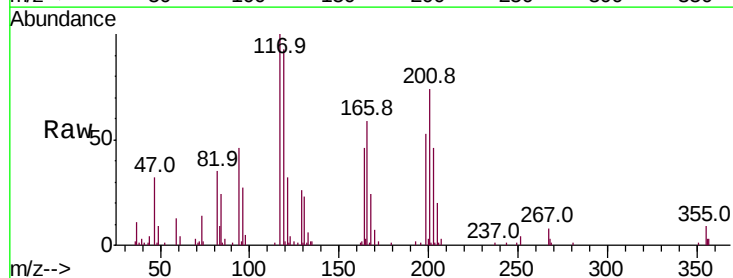
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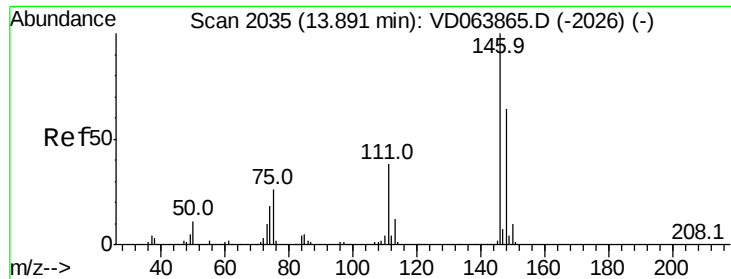
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#90
Hexachloroethane
Concen: 19.724 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36554		
201	80.2	40.6	121.7	





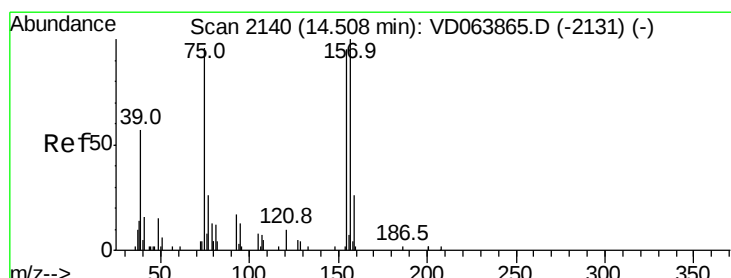
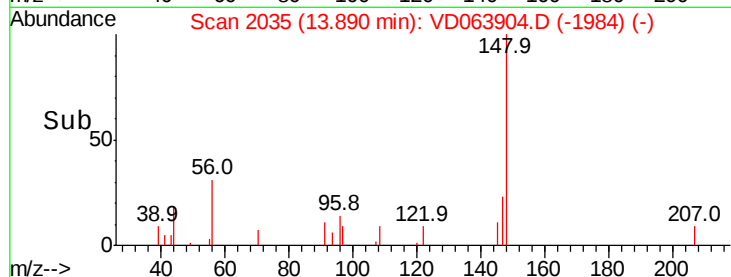
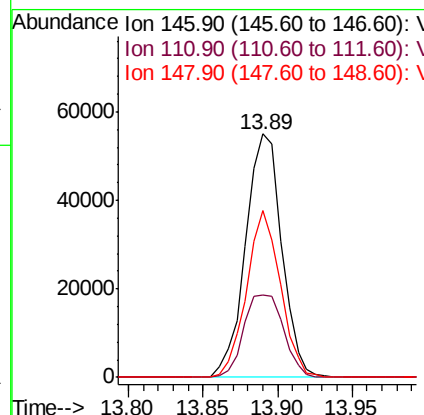
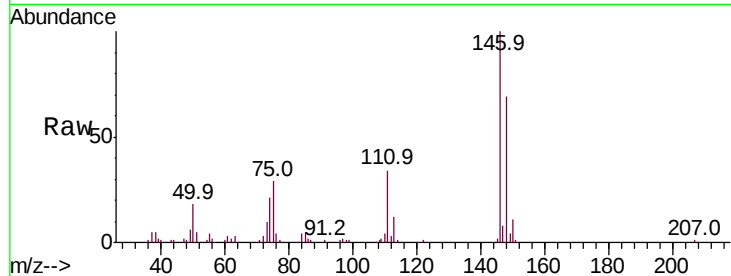
#91
 1,2-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	64.0	31.6	95.0

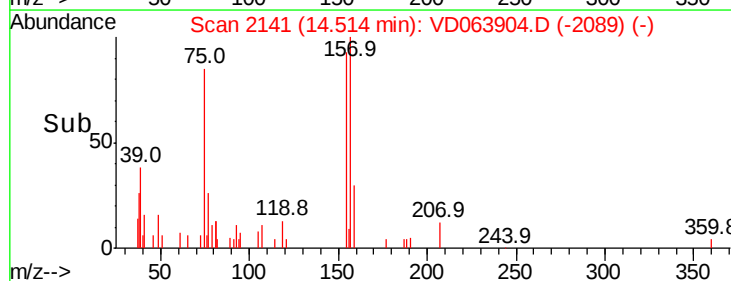
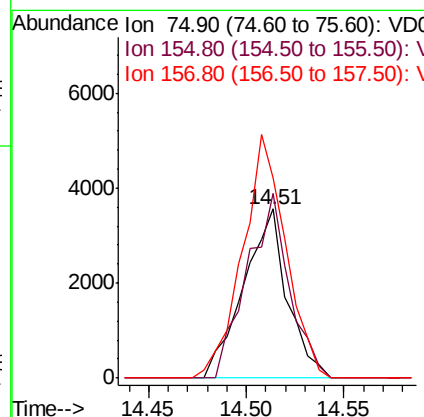
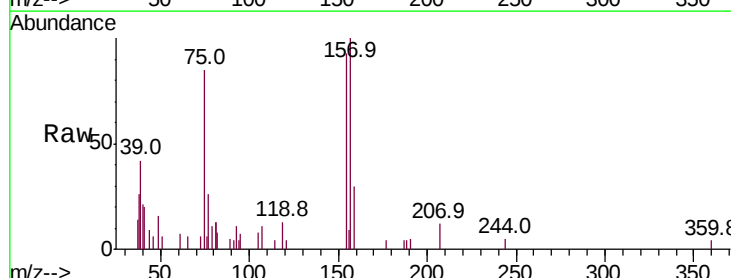
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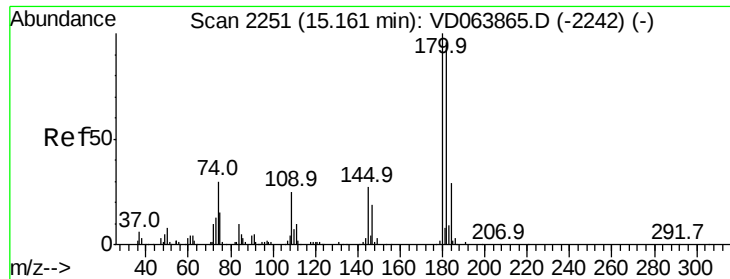
MMDadoda
 10/11/2019 10:24:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.173 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.5	43.9	131.6
157	142.2	56.0	167.9





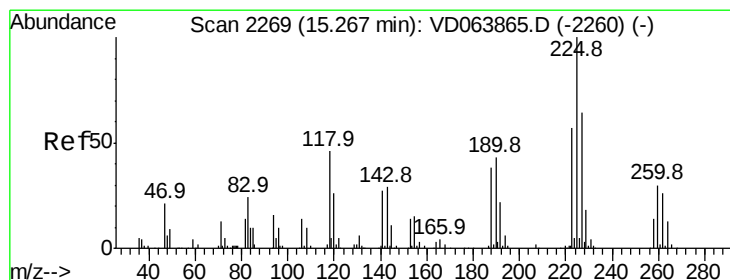
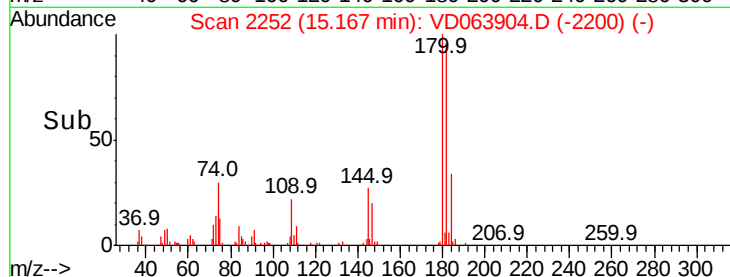
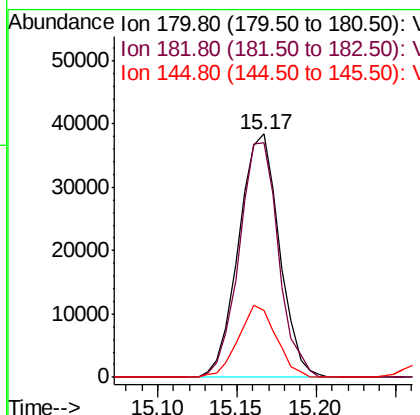
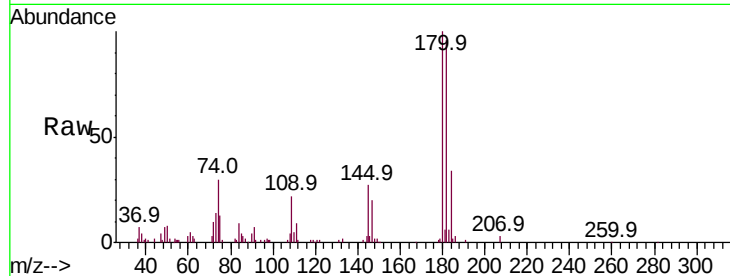
#93
 1,2,4-Trichlorobenzene
 Concen: 19.173 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.6	47.4	142.3	
145	27.7	13.9	41.7	

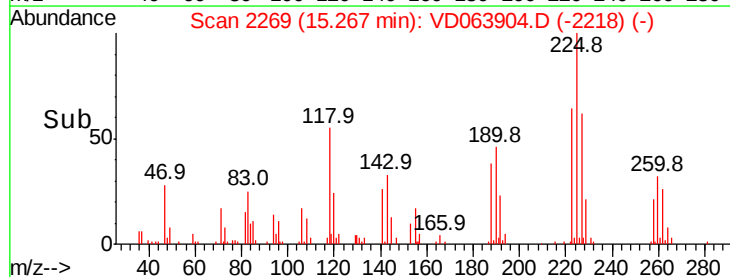
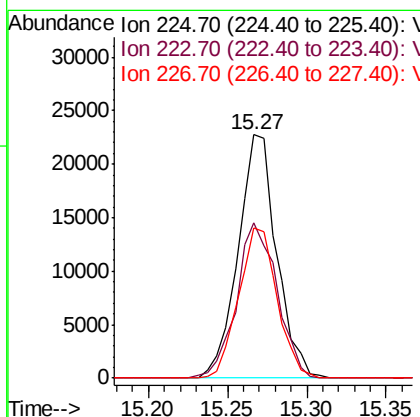
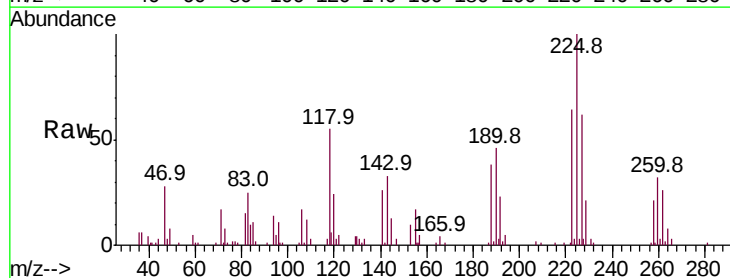
Manual Integrations
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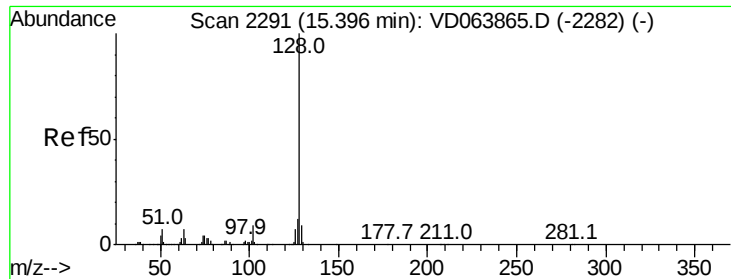
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 10/11/2019 10:24:05 AM



#94
 Hexachlorobutadiene
 Concen: 19.570 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063904.D
 Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	67.0	29.5	88.6	
227	61.5	30.8	92.4	





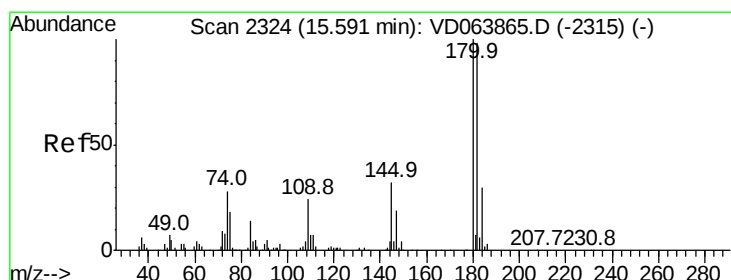
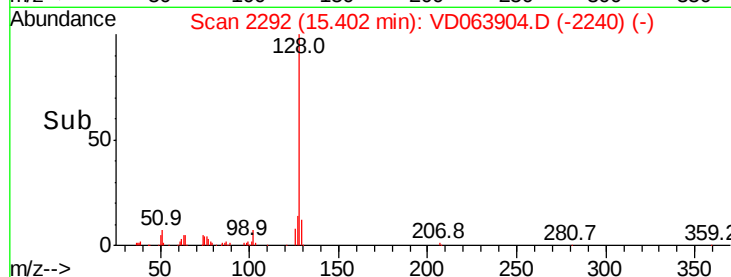
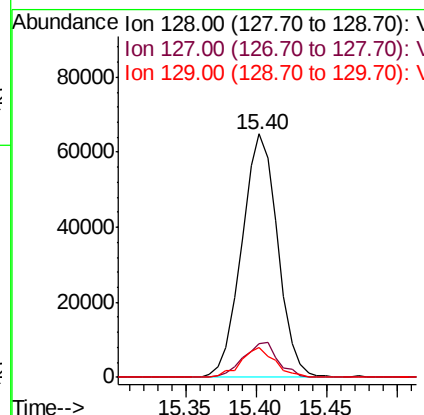
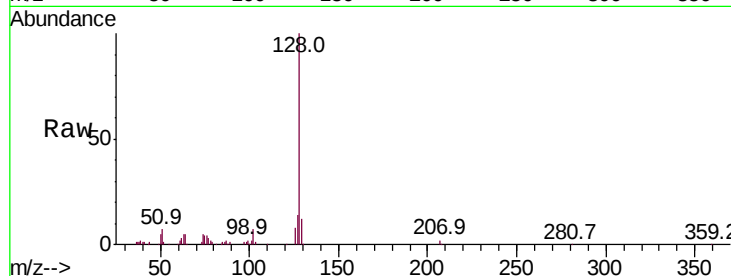
#95
Naphthalene
Concen: 19.327 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.8	10.6	16.0	
129	11.5	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.099 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063904.D
Acq: 10 Oct 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.0	141.0	
145	32.4	15.3	45.9	

