

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063952.D
 Acq On : 14 Oct 2019 13:34
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

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 10/16/2019 12:54:28 AM

Quant Time: Oct 14 17:20:08 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	171559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	269807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	86427	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.92	113	89006	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.34	98	376986	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.63	95	120705	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	25508	20.966	ug/l	82
3) Chloromethane	2.21	50	82013	22.550	ug/l	98
4) Vinyl Chloride	2.35	62	91039	23.152	ug/l	96
5) Bromomethane	2.76	94	52208	20.652	ug/l	99
6) Chloroethane	2.91	64	58510	22.499	ug/l	99
7) Trichlorofluoromethane	3.27	101	127784	24.578	ug/l	92
8) Diethyl Ether	3.70	74	17121	20.517	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	32201	22.375	ug/l	97
10) Methyl Iodide	4.29	142	37196	18.757	ug/l	98
11) Tert butyl alcohol	5.26	59	13638	113.142	ug/l #	91
12) 1,1-Dichloroethene	4.05	96	31083	21.618	ug/l	91
13) Acrolein	3.92	56	11886	79.677	ug/l	96
14) Allyl chloride	4.71	41	47972	20.068	ug/l	94
15) Acrylonitrile	5.43	53	39350	106.956	ug/l	99
16) Acetone	4.16	43	41752	96.013	ug/l #	84
17) Carbon Disulfide	4.40	76	104745	20.041	ug/l	96
18) Methyl Acetate	4.71	43	20384	23.966	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	72263	19.409	ug/l #	86
20) Methylene Chloride	4.96	84	43206	20.624	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	36823	20.573	ug/l	97
22) Diisopropyl ether	6.37	45	100561	20.598	ug/l	93
23) Vinyl Acetate	6.31	43	305303	105.122	ug/l	100
24) 1,1-Dichloroethane	6.26	63	62582	20.811	ug/l	96
25) 2-Butanone	7.22	43	51471	99.875	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	56240	20.675	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	44082	21.759	ug/l	95
28) Bromochloromethane	7.54	49	20792	19.372	ug/l	100
29) Tetrahydrofuran	7.57	42	33231	110.474	ug/l	94
30) Chloroform	7.71	83	67732	20.738	ug/l	88
31) Cyclohexane	7.99	56	62107	22.810	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	65331	23.318	ug/l	94
36) 1,1-Dichloropropene	8.11	75	57161	22.566	ug/l	99
37) Ethyl Acetate	7.30	43	22275	19.497	ug/l	99
38) Carbon Tetrachloride	8.10	117	57468	22.450	ug/l #	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70324	22.579	ug/l	92
40) Benzene	8.35	78	156165	21.513	ug/l	99
41) Methacrylonitrile	7.53	41	13397	22.811	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	44908	21.387	ug/l	98
43) Isopropyl Acetate	8.46	43	43435	20.446	ug/l	99
44) Trichloroethene	9.11	130	46121	22.033	ug/l	100
45) 1,2-Dichloropropane	9.39	63	37260	20.970	ug/l	97
46) Dibromomethane	9.48	93	21198	20.949	ug/l	92
47) Bromodichloromethane	9.67	83	52876	20.296	ug/l	98
48) Methyl methacrylate	9.46	41	19229	18.892	ug/l	93
49) 1,4-Dioxane	9.46	88	5668	410.357	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	116018	105.305	ug/l	94
52) Toluene	10.40	92	107562	21.585	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	51490	20.254	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	59491	20.329	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30697	21.485	ug/l	93
56) Ethyl methacrylate	10.67	69	34367	18.994	ug/l	95
57) 1,3-Dichloropropane	10.95	76	48078	19.667	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	76464	98.319	ug/l	100
59) 2-Hexanone	10.99	43	83257	104.468	ug/l	100
60) Dibromochloromethane	11.14	129	37660	20.246	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31262	22.570	ug/l	98
64) Tetrachloroethene	10.88	164	39729	21.569	ug/l	95
65) Chlorobenzene	11.67	112	117040	21.600	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	42660	21.367	ug/l	93
67) Ethyl Benzene	11.74	91	209909	21.484	ug/l	99
68) m/p-Xylenes	11.86	106	164161	43.530	ug/l	97
69) o-Xylene	12.18	106	75058	20.785	ug/l	98
70) Styrene	12.20	104	128660	21.047	ug/l	99
71) Bromoform	12.36	173	23147	21.602	ug/l #	94
73) Isopropylbenzene	12.48	105	203046	20.573	ug/l	98
74) N-amyl acetate	12.29	43	43070	20.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	36028	20.978	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	22987m	23.377	ug/l	
77) Bromobenzene	12.76	156	50129	20.386	ug/l	98
78) n-propylbenzene	12.82	91	251346	21.696	ug/l	98
79) 2-Chlorotoluene	12.91	91	133425	20.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173978	21.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11494	20.685	ug/l	97
82) 4-Chlorotoluene	13.01	91	141048	20.815	ug/l	99
83) tert-Butylbenzene	13.23	119	149097	20.346	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	177126	20.866	ug/l	100
85) sec-Butylbenzene	13.40	105	217399	21.968	ug/l	98
86) p-Isopropyltoluene	13.52	119	200365	21.396	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	101019	20.792	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	102463	21.377	ug/l	96
89) n-Butylbenzene	13.85	91	192915	22.131	ug/l	98
90) Hexachloroethane	14.11	117	35353	20.990	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	86992	20.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5639	19.640	ug/l	90

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ClientSampleId :
VD1014SBS01

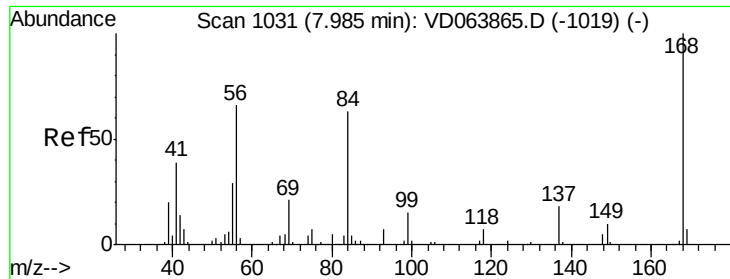
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63462	19.643	ug/l	99
94) Hexachlorobutadiene	15.27	225	38787	21.756	ug/l	98
95) Naphthalene	15.40	128	107030	19.710	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	53706	19.267	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion:168 Resp: 171559

Ion Ratio Lower Upper

168 100

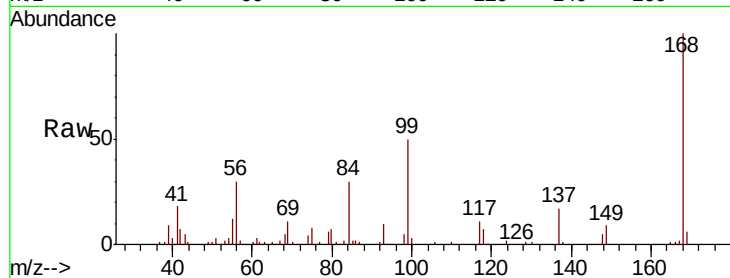
99 49.7 43.0 64.4

Manual Integrations

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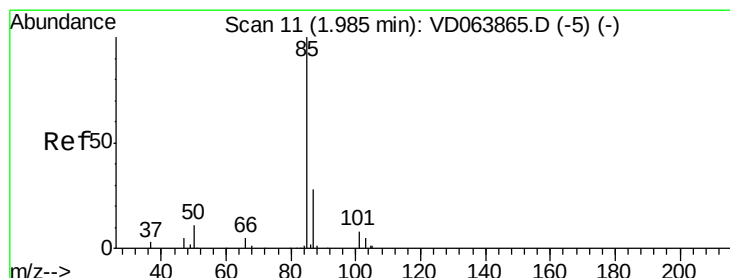
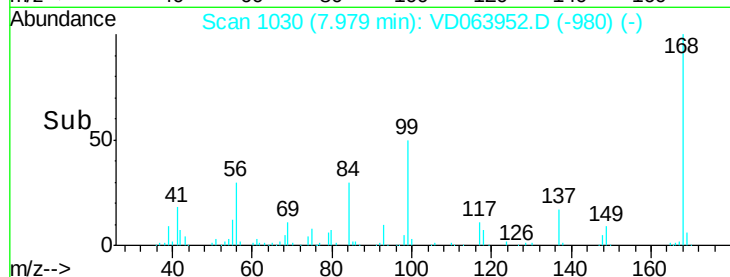
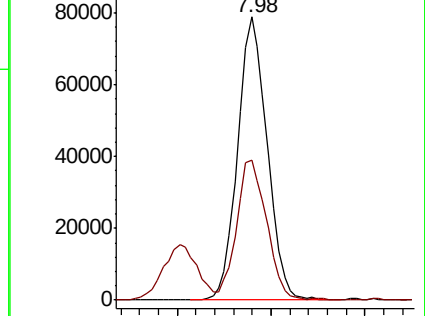
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.966 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063952.D

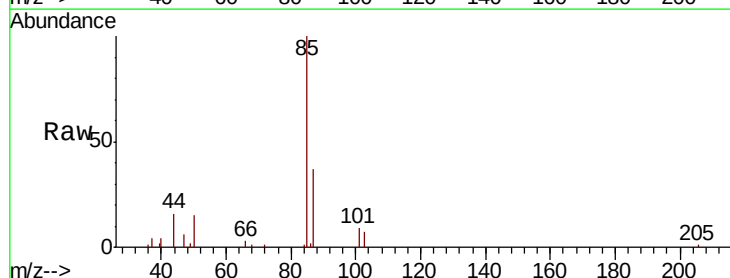
Acq: 14 Oct 2019 13:34

Tgt Ion: 85 Resp: 25508

Ion Ratio Lower Upper

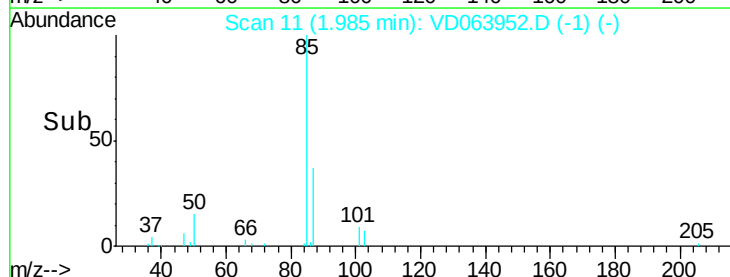
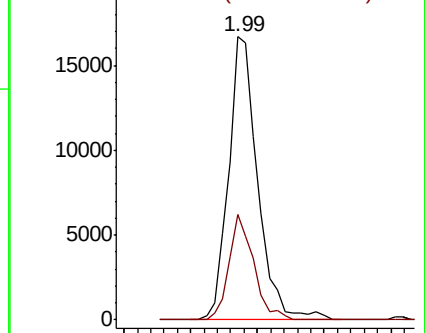
85 100

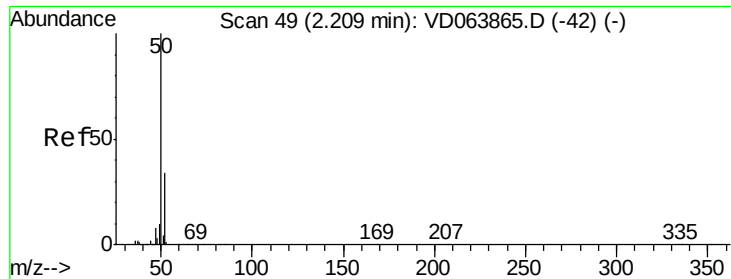
87 37.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





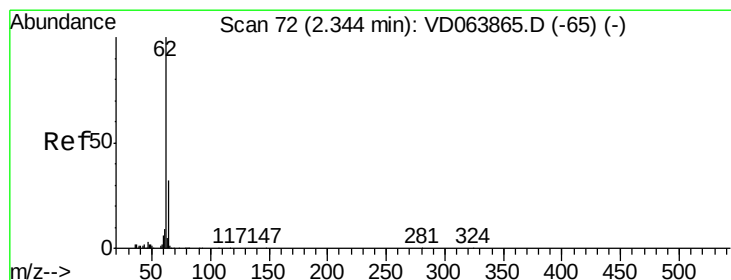
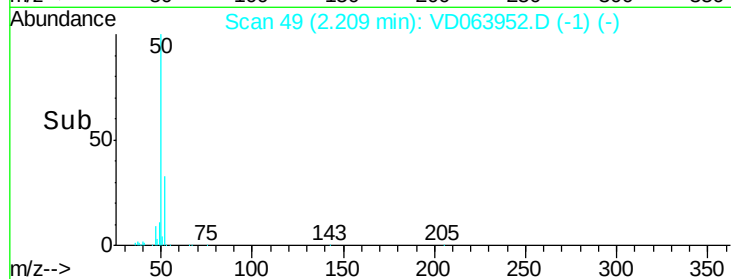
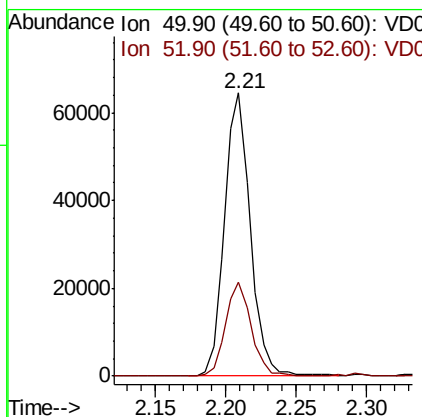
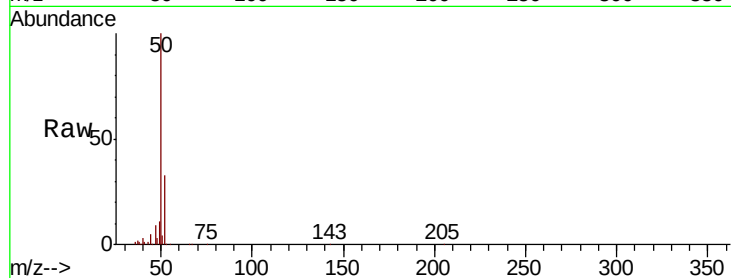
#3
Chloromethane
Concen: 22.550 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.3	27.5	41.3

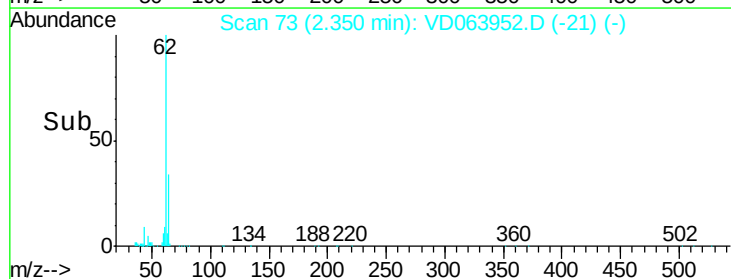
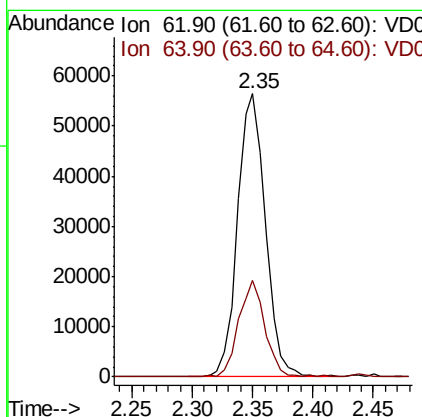
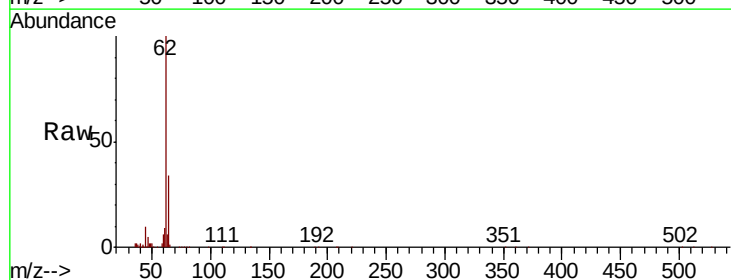
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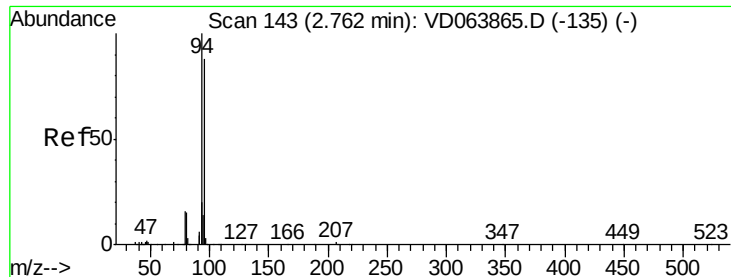
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#4
Vinyl Chloride
Concen: 23.152 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.2	25.4	38.0





#5

Bromomethane

Concen: 20.652 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 94 Resp: 52208

Ion Ratio Lower Upper

94 100

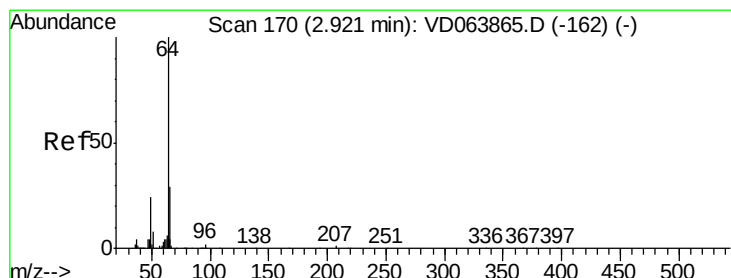
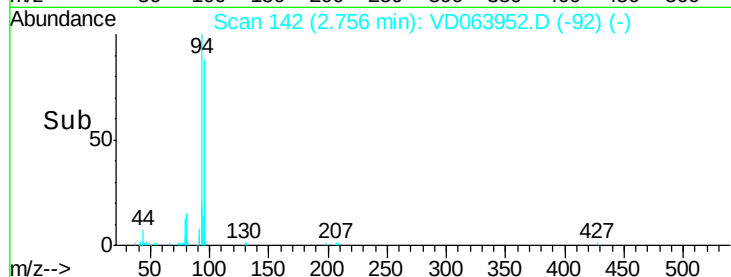
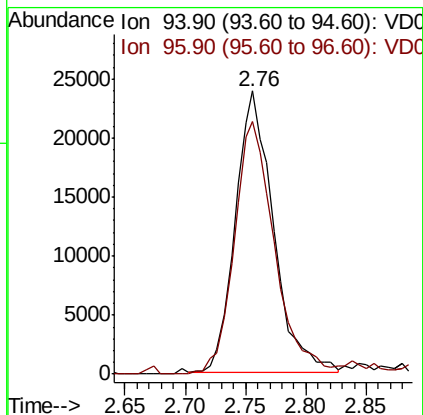
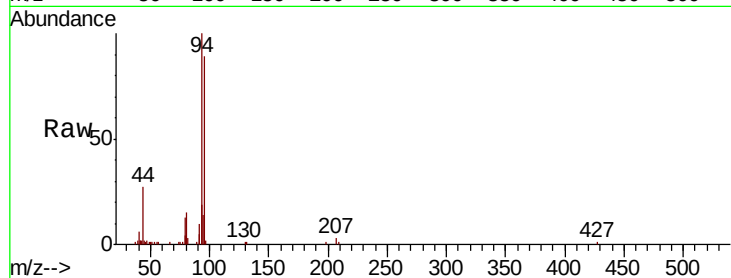
96 89.7 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 22.499 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063952.D

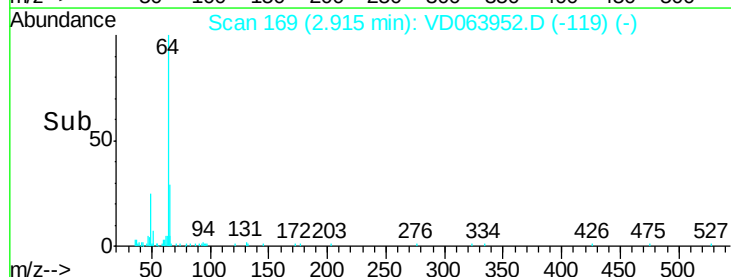
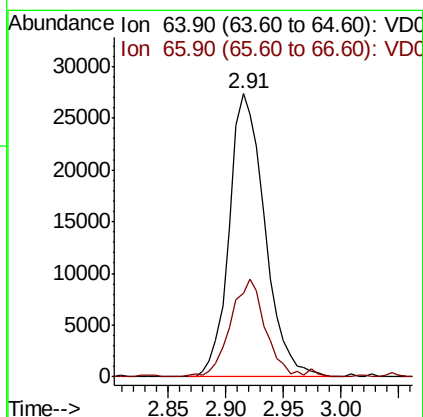
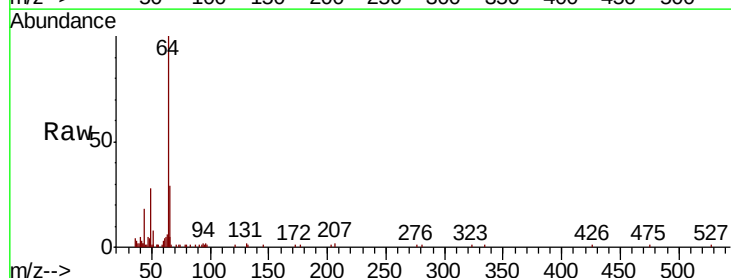
Acq: 14 Oct 2019 13:34

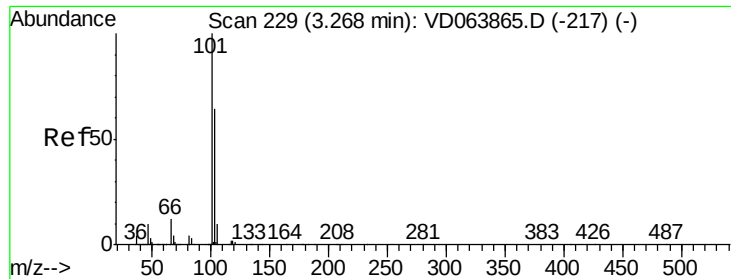
Tgt Ion: 64 Resp: 58510

Ion Ratio Lower Upper

64 100

66 29.4 23.0 34.4





#7

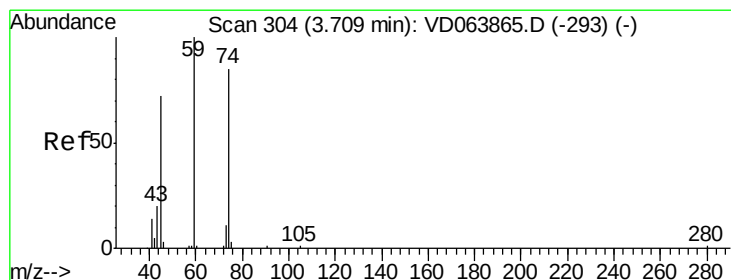
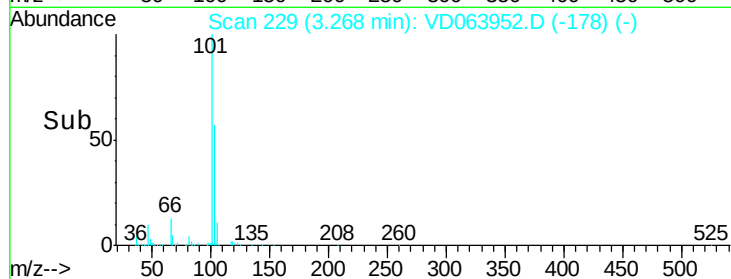
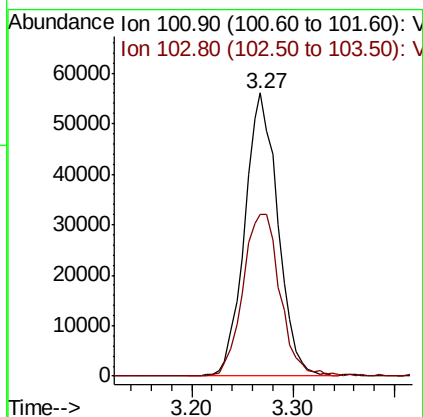
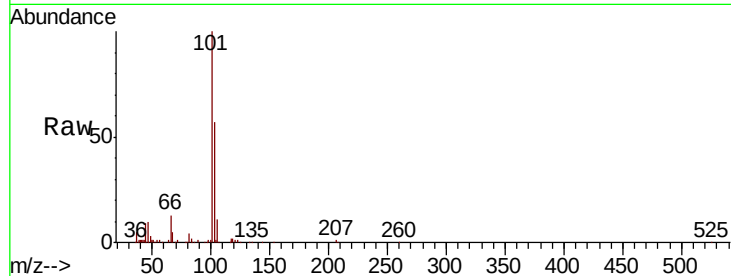
Trichlorofluoromethane
Concen: 24.578 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.4	51.1	76.7

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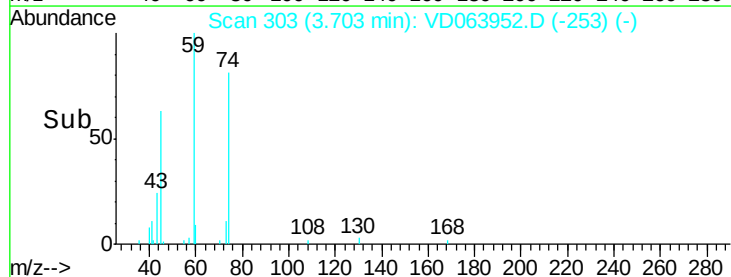
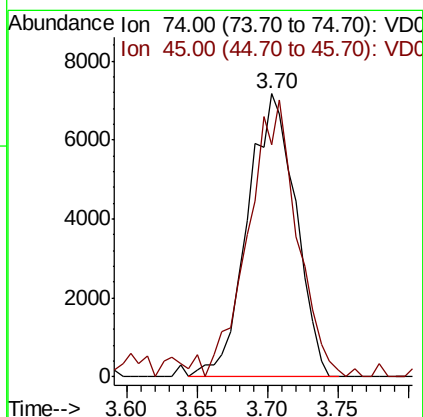
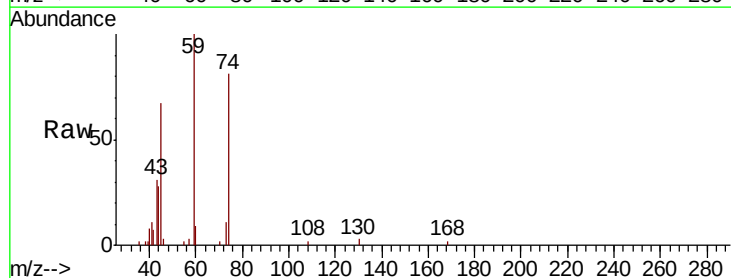
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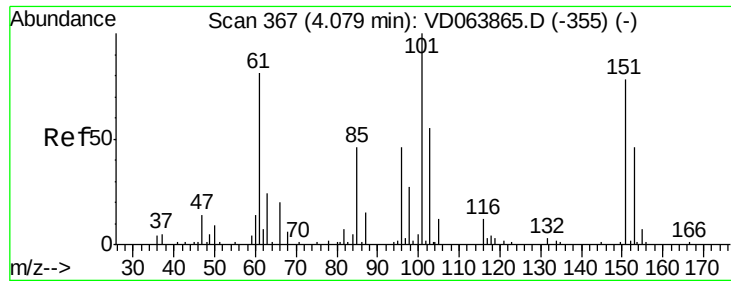


#8

Diethyl Ether
Concen: 20.517 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.375 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

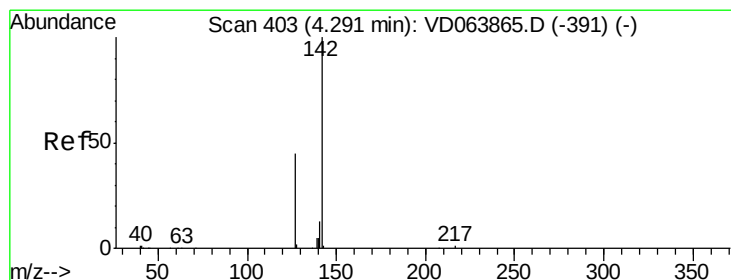
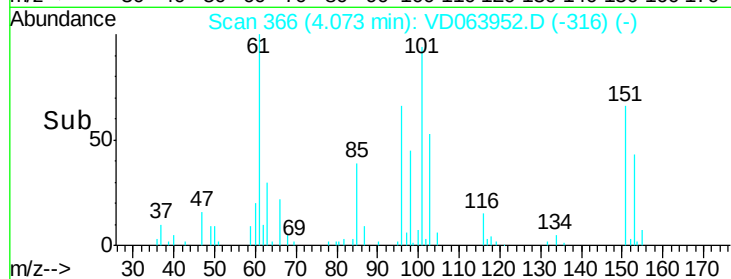
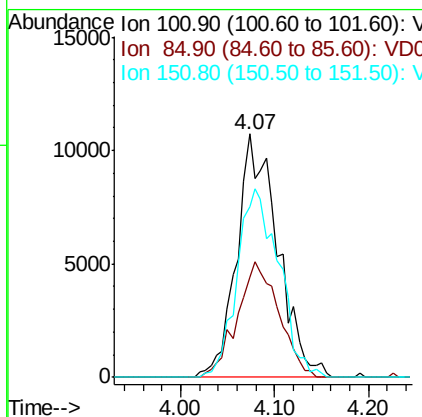
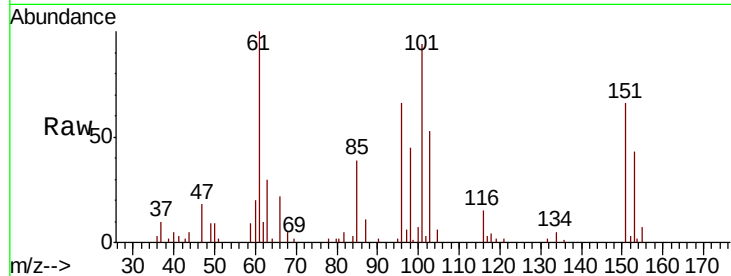
ClientSampleId :

VD1014SBS01

Tot Ion:	101	Resp:	32201
Ion Ratio	Lower	Upper	
101	100		
85	48.7	37.5	56.3
151	79.8	65.5	98.3

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#10

Methyl Iodide

Concen: 18.757 ug/l

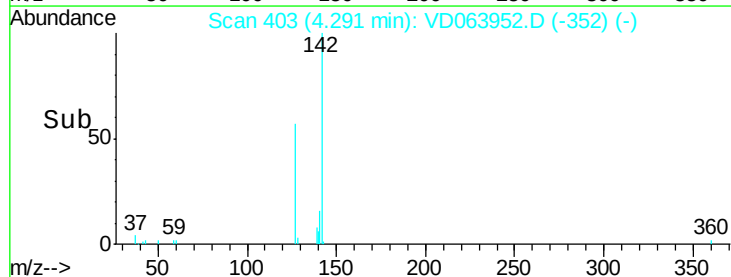
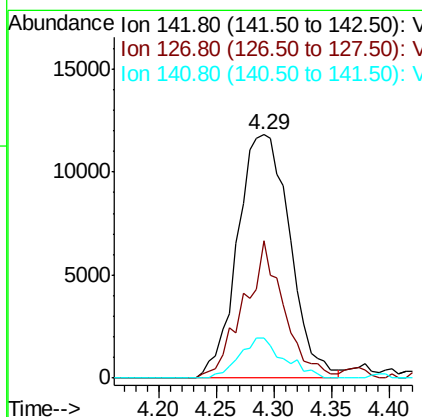
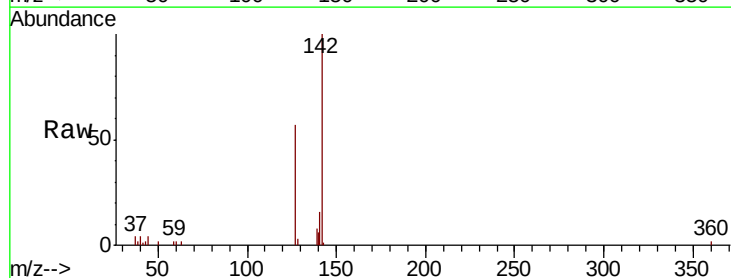
RT: 4.29 min Scan# 403

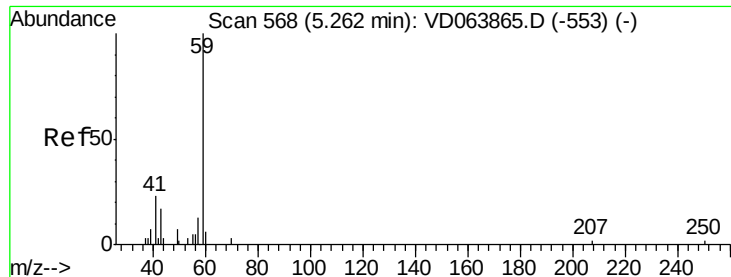
Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	142	Resp:	37196
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	13.9	12.2	18.2





#11

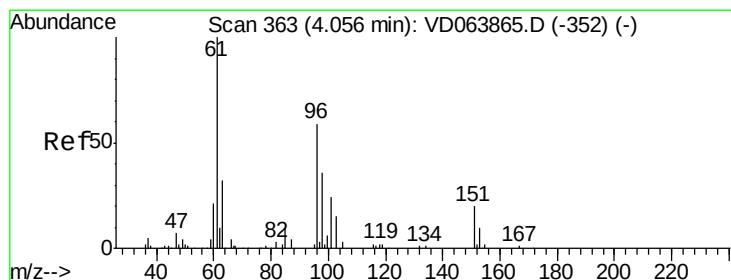
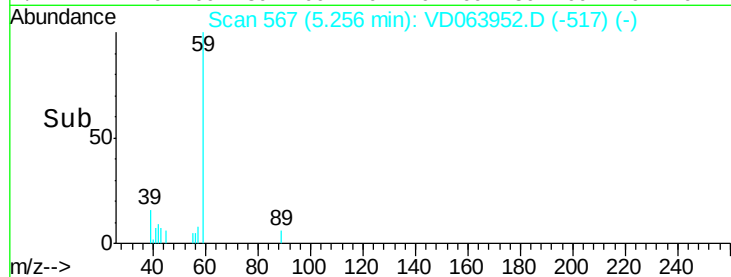
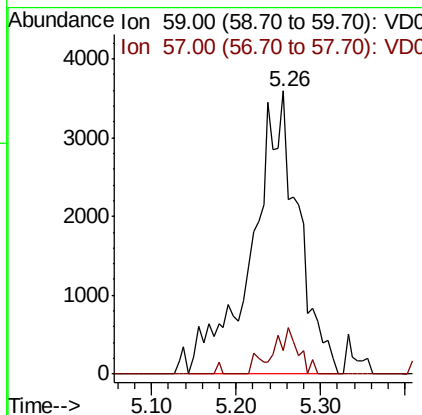
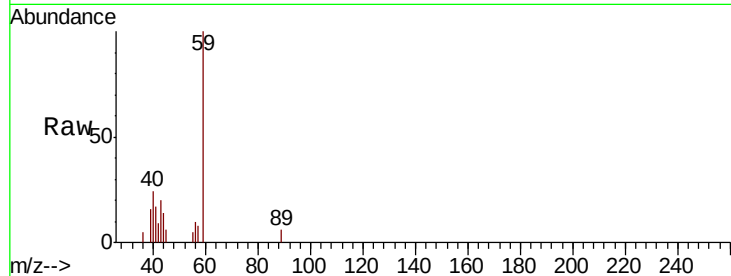
Tert butyl alcohol
 Concen: 113.142 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.6	8.8	13.2#

Manual Integrations
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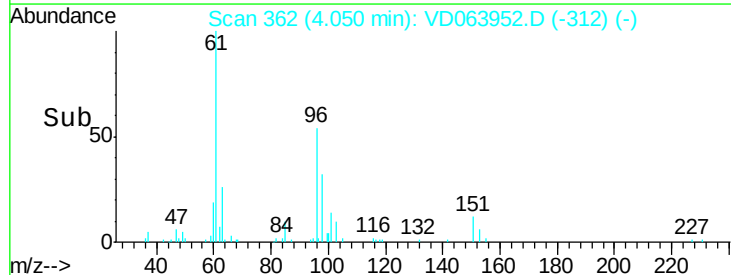
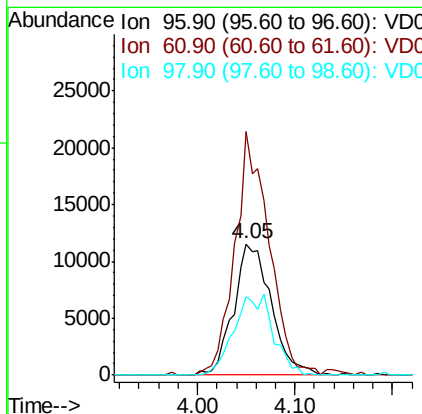
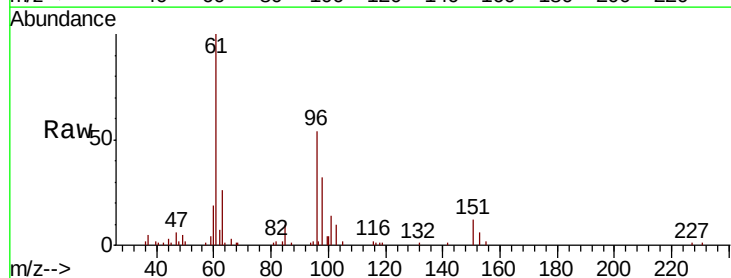
MMDadoda
 10/16/2019 12:54:28 AM

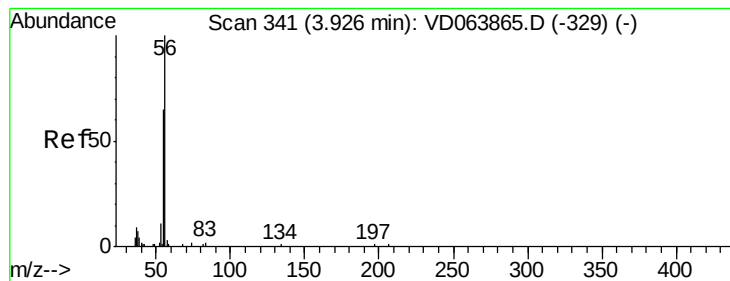


#12

1,1-Dichloroethene
 Concen: 21.618 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.3	135.6	203.4
98	59.4	49.2	73.8





#13

Acrolein

Concen: 79.677 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 56 Resp: 11886

Ion Ratio Lower Upper

56 100

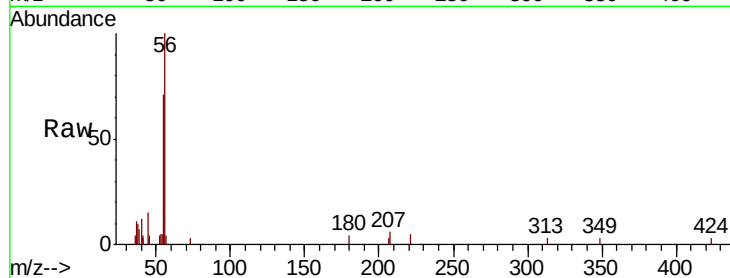
55 69.6 53.0 79.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

6000

5000

4000

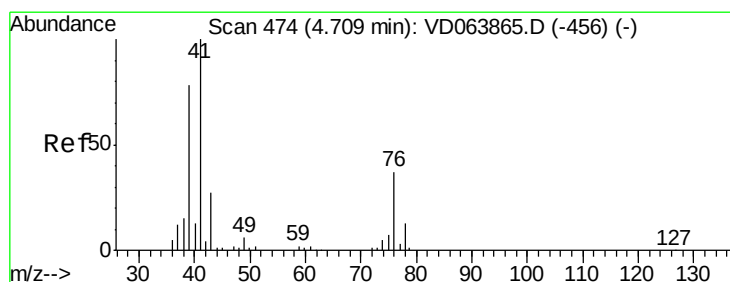
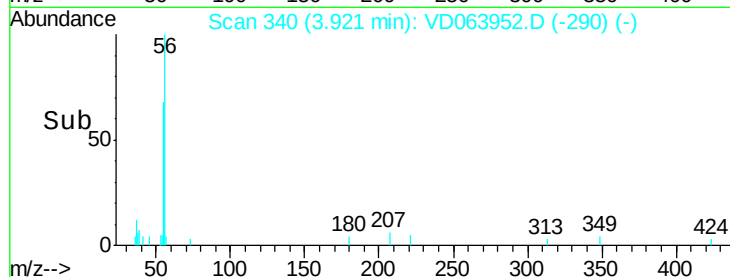
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 20.068 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

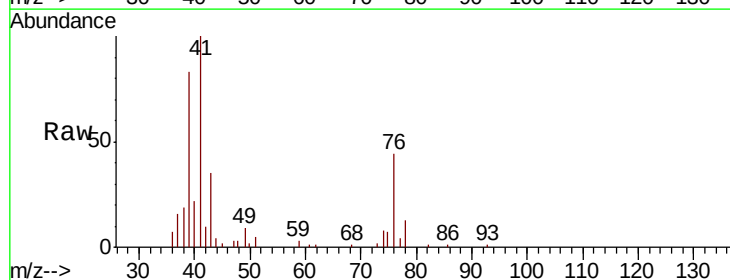
Tgt Ion: 41 Resp: 47972

Ion Ratio Lower Upper

41 100

39 82.8 61.8 92.6

76 42.5 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

20000

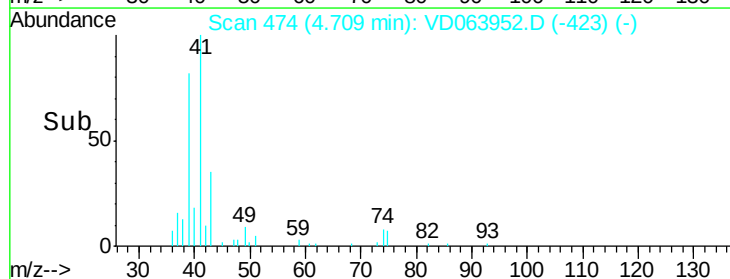
15000

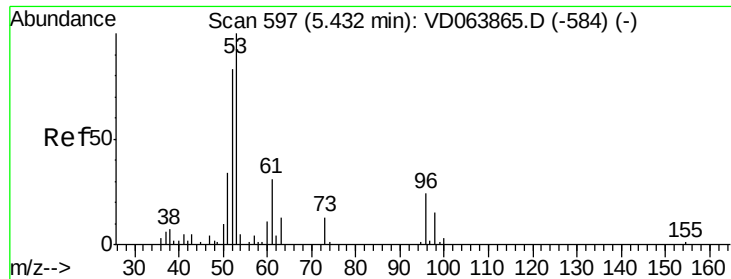
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 106.956 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

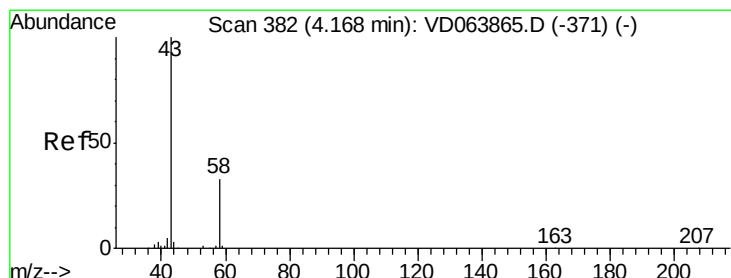
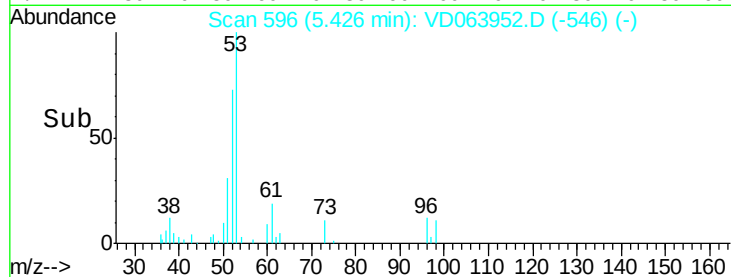
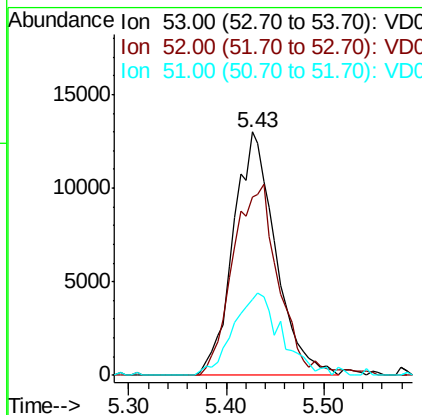
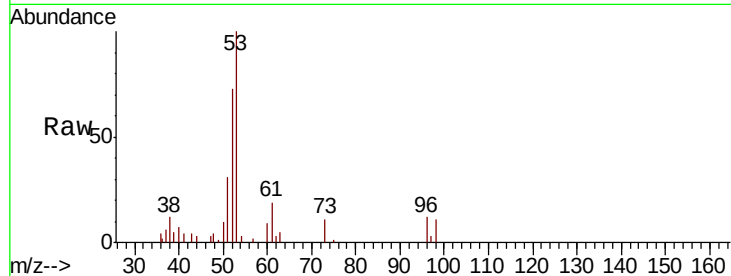
ClientSampleId :

VD1014SBS01

Tot Ion:	53	Resp:	39350
Ion	Ratio	Lower	Upper
53	100		
52	85.7	67.3	100.9
51	38.3	30.5	45.7

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#16

Acetone

Concen: 96.013 ug/l

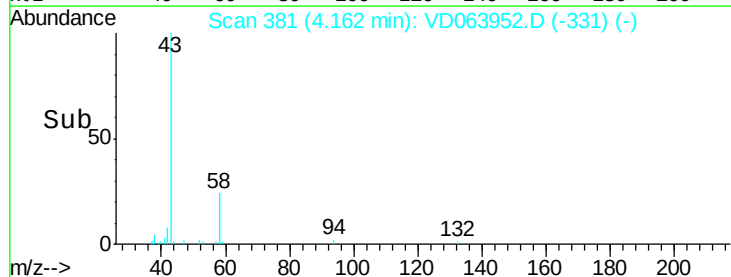
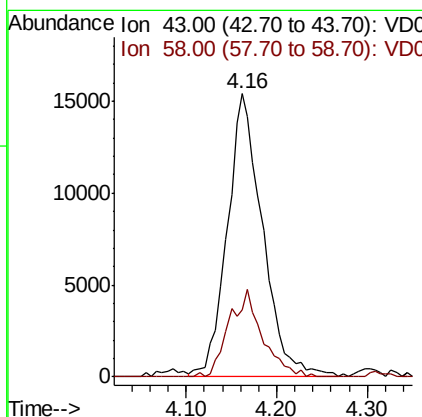
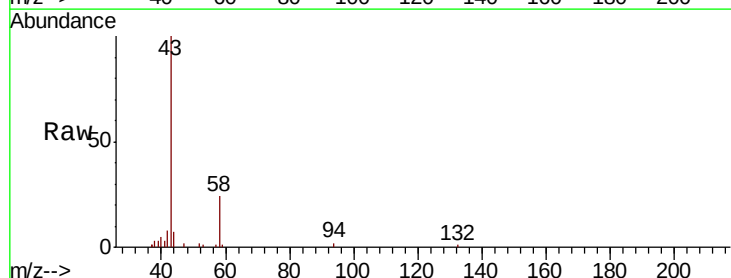
RT: 4.16 min Scan# 381

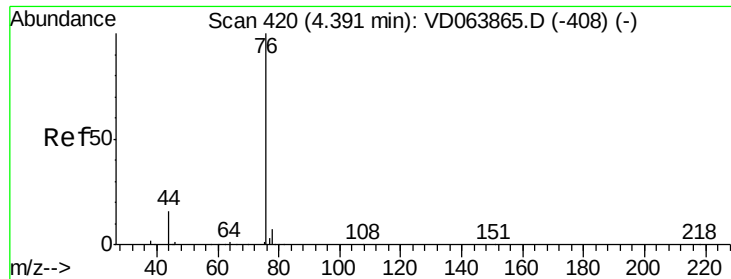
Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	43	Resp:	41752
Ion	Ratio	Lower	Upper
43	100		
58	23.8	26.2	39.4#





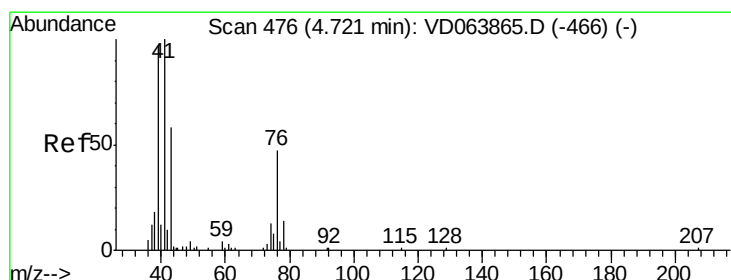
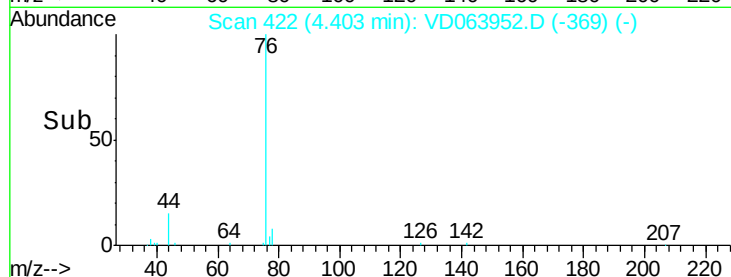
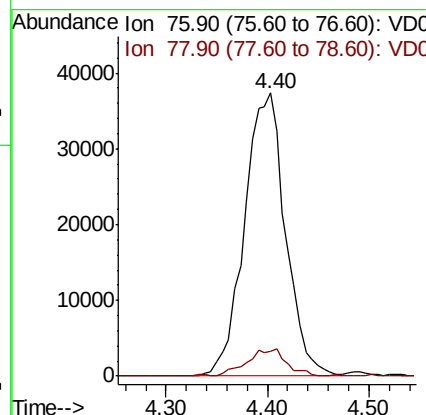
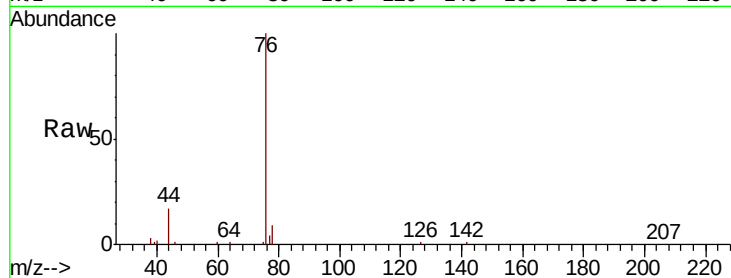
#17
Carbon Disulfide
Concen: 20.041 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	5.8	8.8

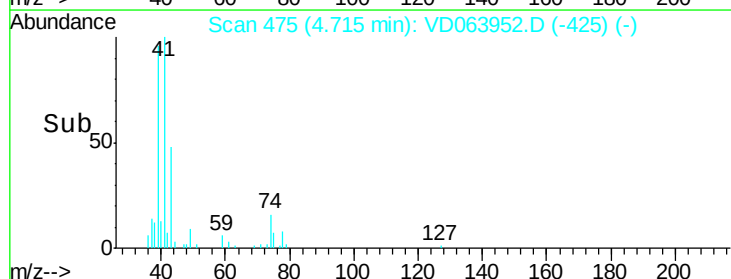
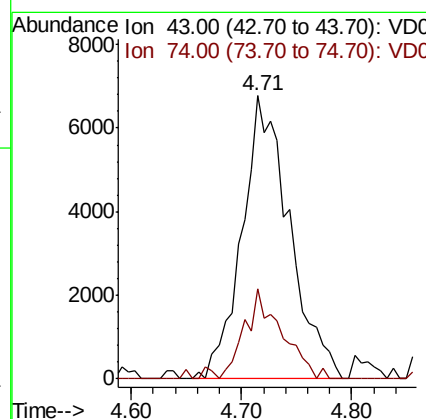
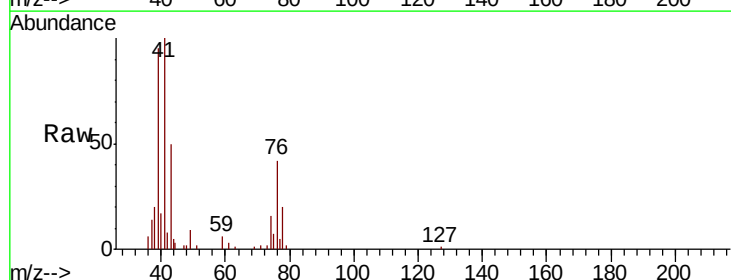
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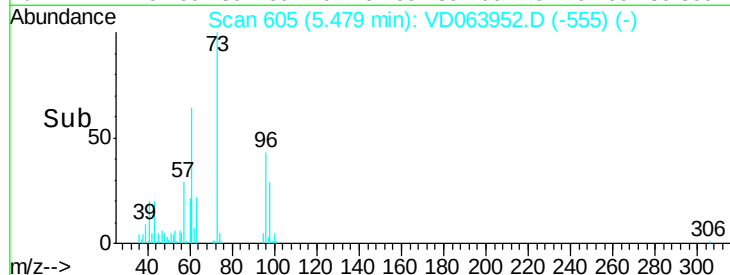
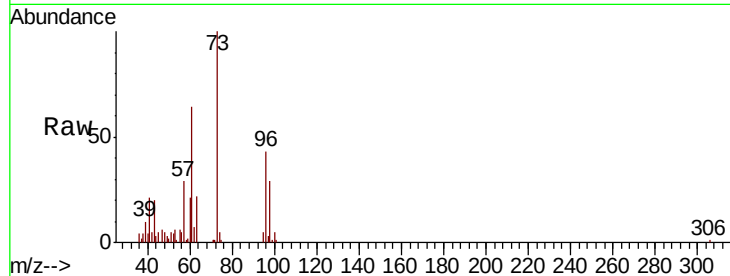
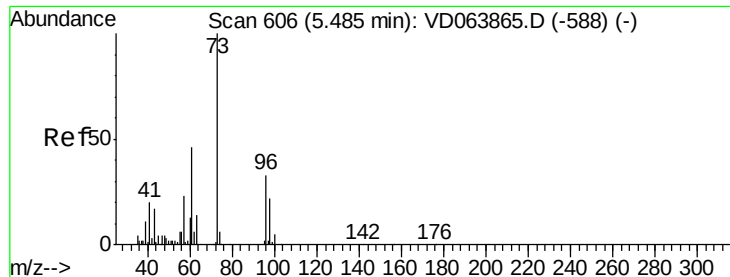
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#18
Methyl Acetate
Concen: 23.966 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.8	31.2





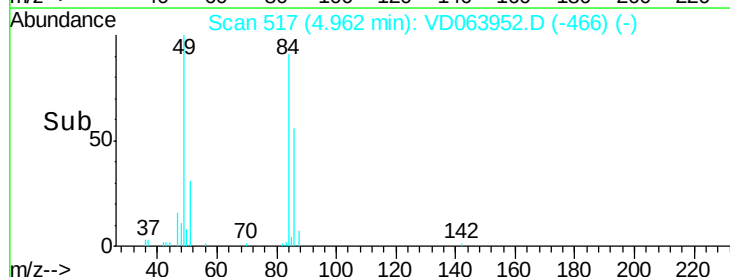
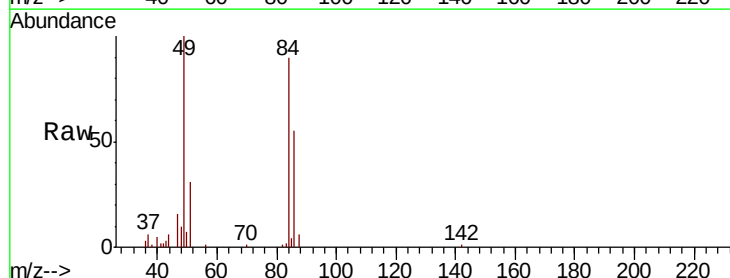
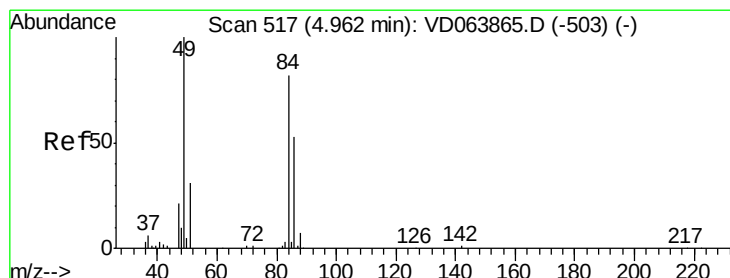
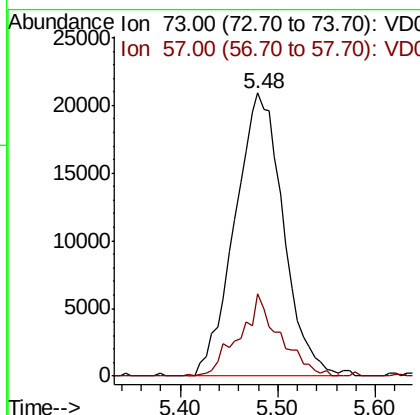
#19
Methyl tert-butyl Ether
Concen: 19.409 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tot Ion: 73 Resp: 72263
Ion Ratio Lower Upper
73 100
57 29.3 18.1 27.1#

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

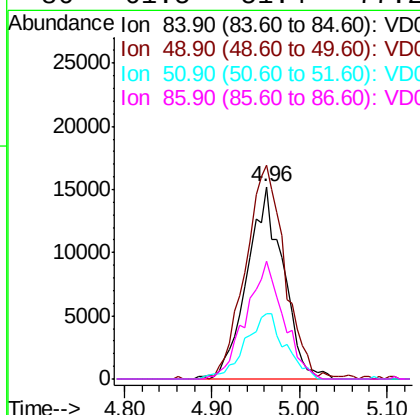
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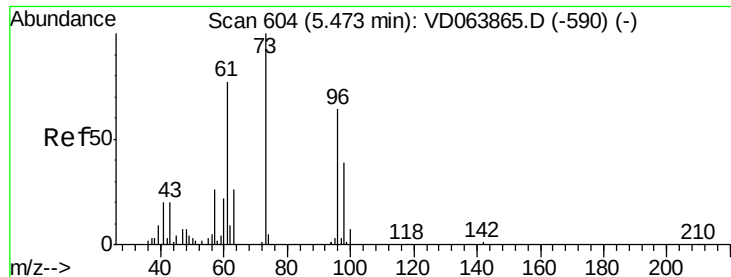
MMDadoda
10/16/2019 12:54:28 AM



#20
Methylene Chloride
Concen: 20.624 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 84 Resp: 43206
Ion Ratio Lower Upper
84 100
49 111.1 97.3 145.9
51 34.0 30.1 45.1
86 61.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.573 ug/l

RT: 5.46 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

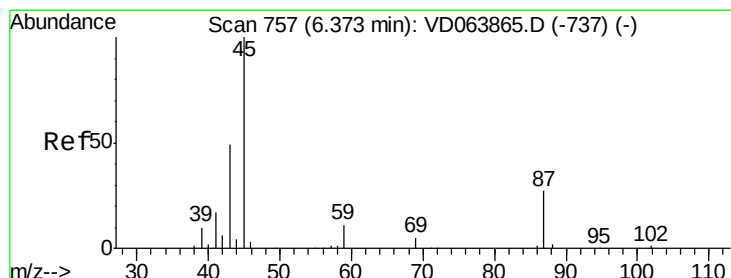
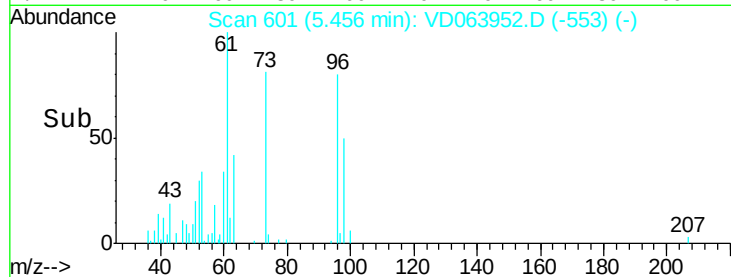
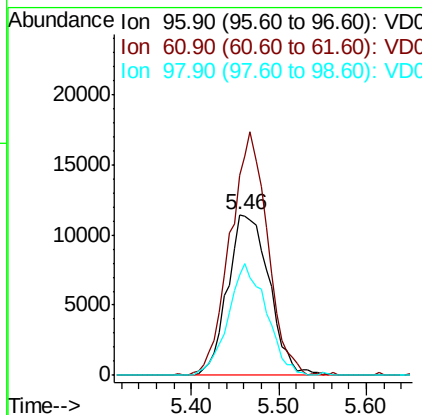
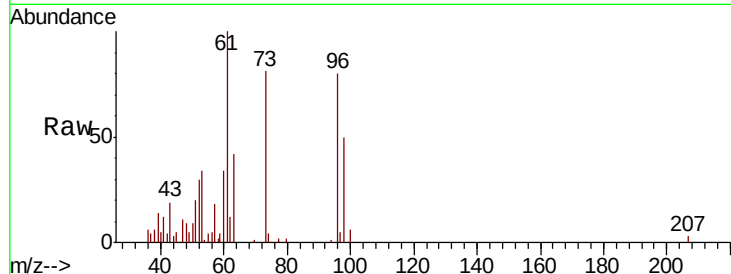
ClientSampleId :

VD1014SBS01

Tot Ion:	96	Resp:	36823
Ion	Ratio	Lower	Upper
96	100		
61	125.0	96.6	145.0
98	62.6	48.7	73.1

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#22

Diisopropyl ether

Concen: 20.598 ug/l

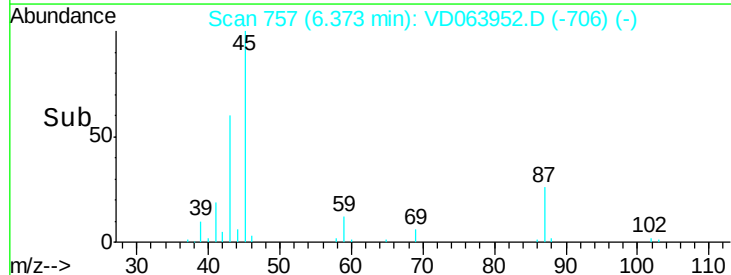
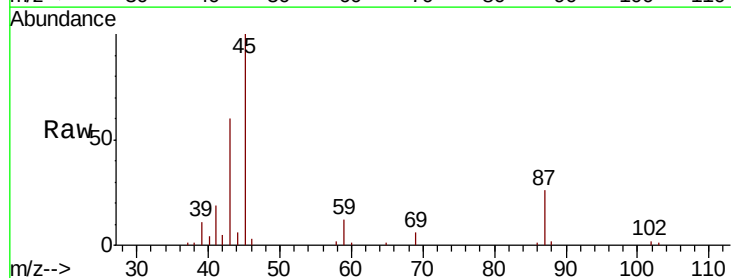
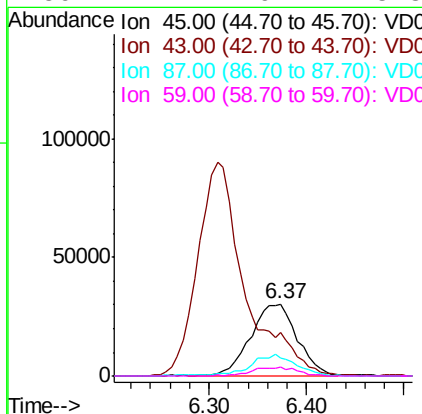
RT: 6.37 min Scan# 757

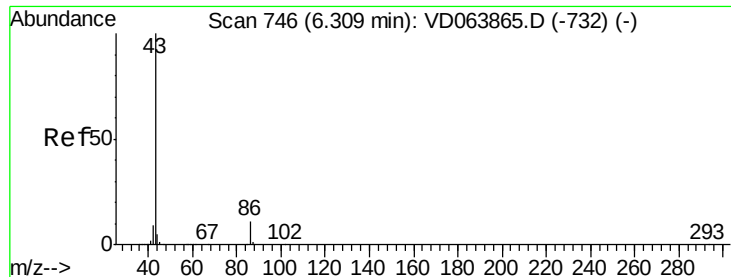
Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	45	Resp:	100561
Ion	Ratio	Lower	Upper
45	100		
43	57.7	41.2	61.8
87	24.6	22.2	33.4
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 105.122 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 43 Resp: 305303

Ion Ratio Lower Upper

43 100

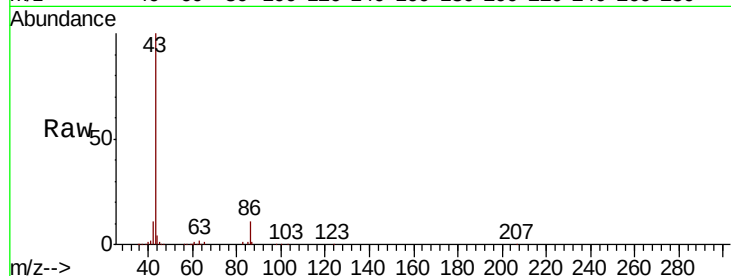
86 11.0 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

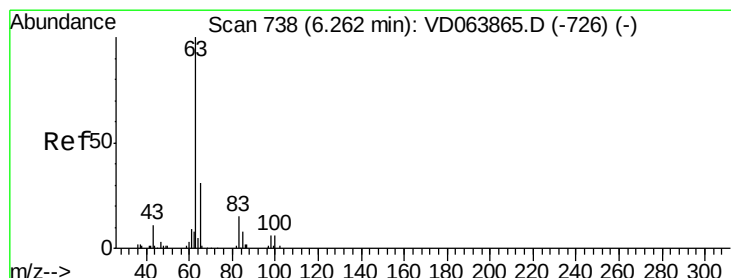
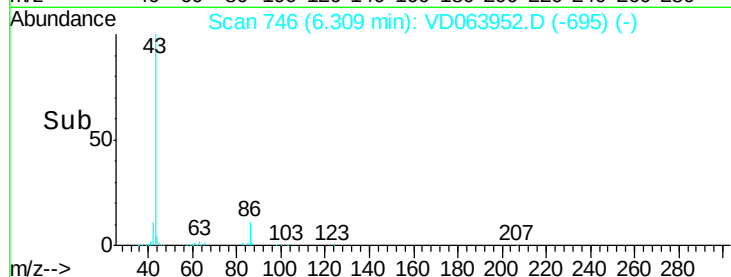
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.811 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

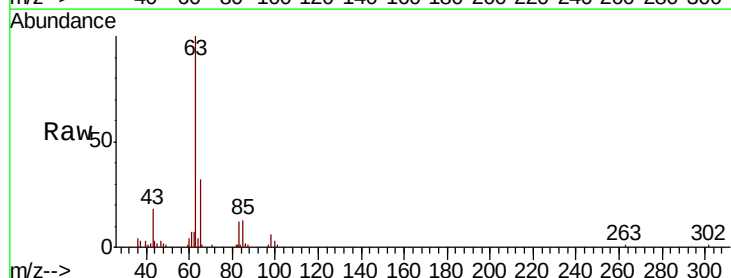
Tgt Ion: 63 Resp: 62582

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

100 3.3 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

25000

20000

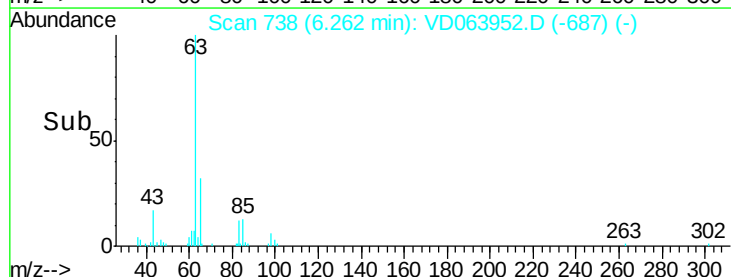
15000

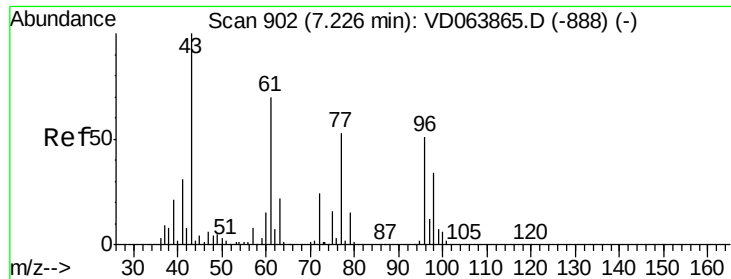
10000

5000

0

Time-->





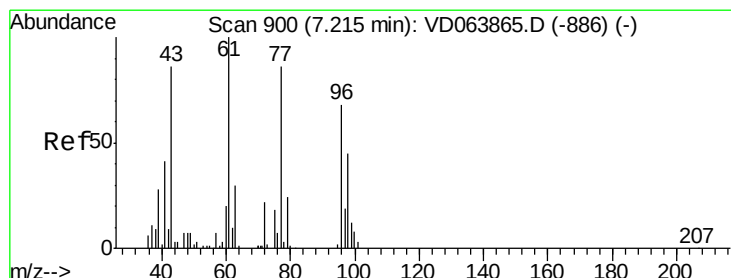
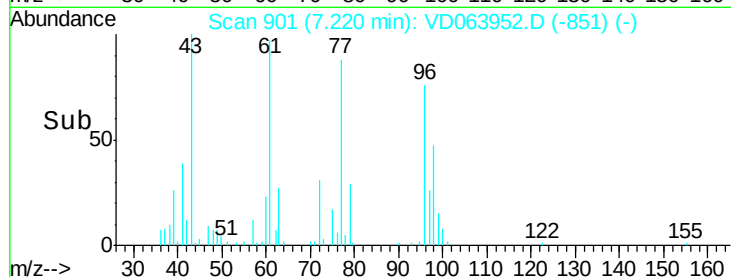
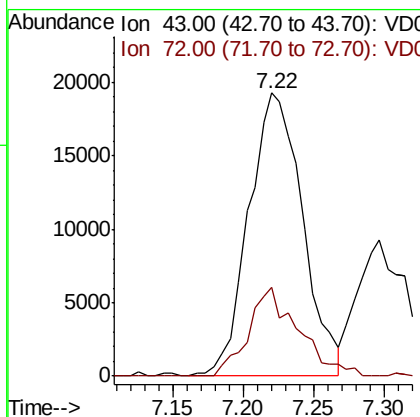
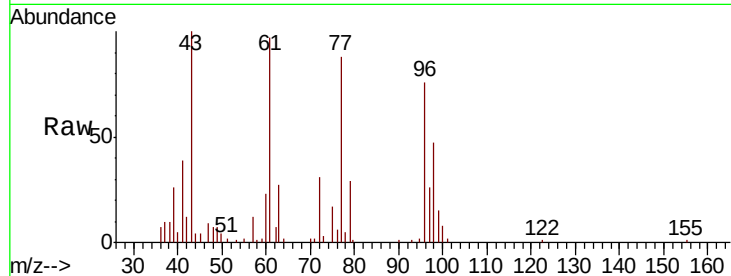
#25
2-Butanone
Concen: 99.875 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 43 Resp: 51471
Ion Ratio Lower Upper
43 100
72 31.4 19.2 28.8#

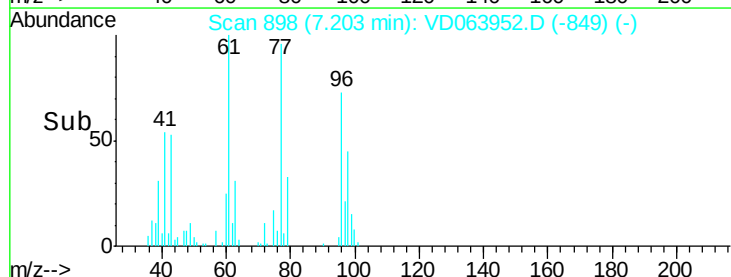
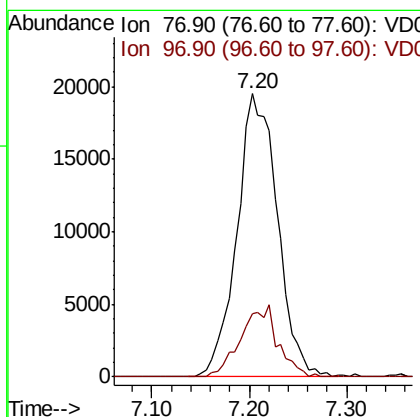
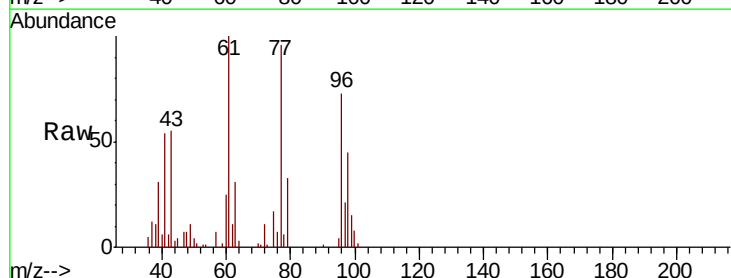
Manual Integrations
APPROVED

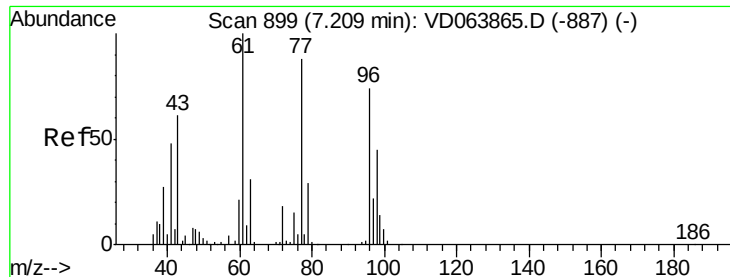
MMDadoda
10/16/2019 12:54:28 AM



#26
2,2-Dichloropropane
Concen: 20.675 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 77 Resp: 56240
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.1





#27

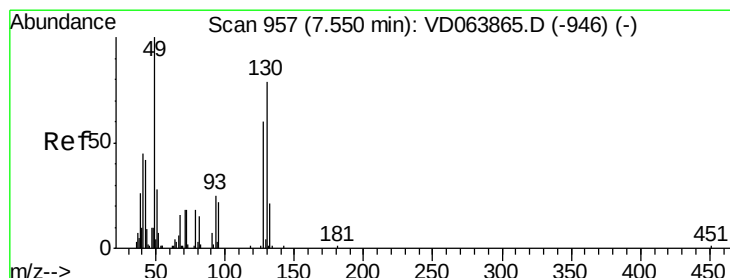
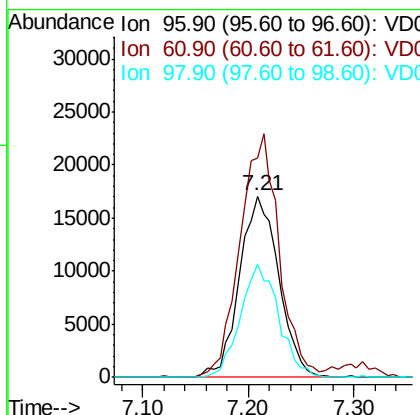
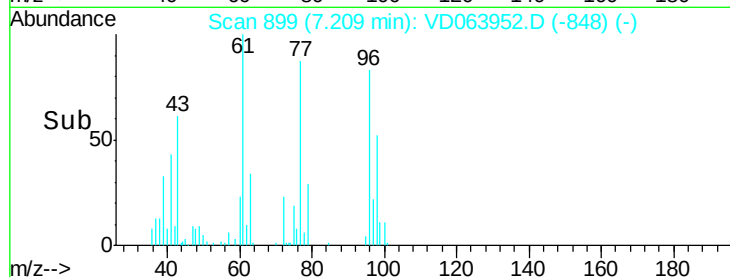
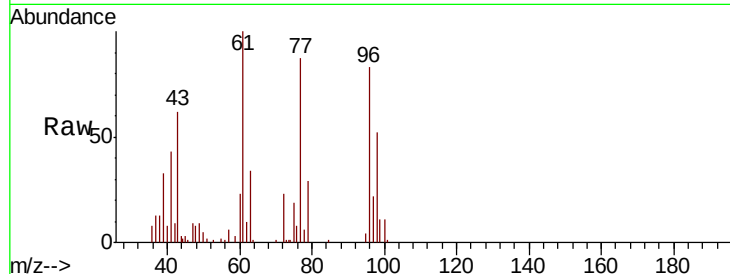
cis-1,2-Dichloroethene
Concen: 21.759 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	280.0
98	60.7	0.0	130.4

Manual Integrations
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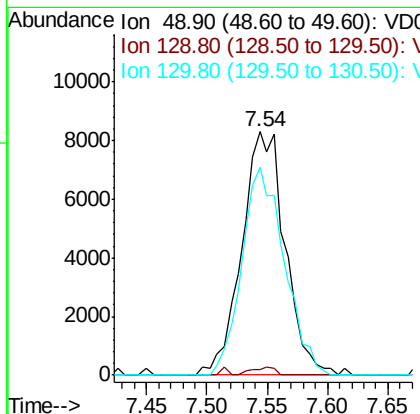
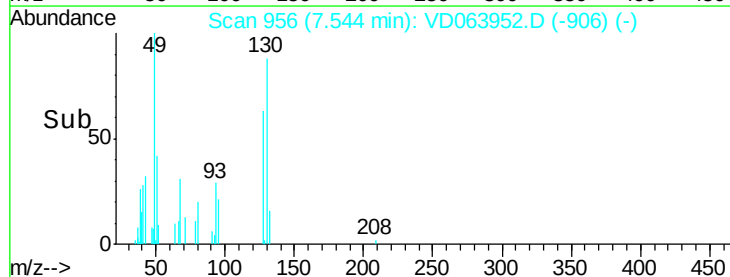
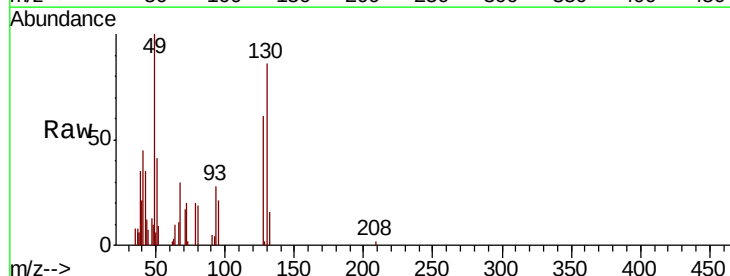
MMDadoda
10/16/2019 12:54:28 AM

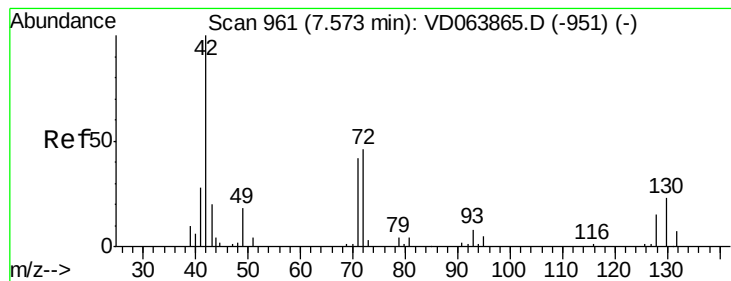


#28

Bromochloromethane
Concen: 19.372 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.6
130	83.8	66.8	100.2





#29

Tetrahydrofuran

Concen: 110.474 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

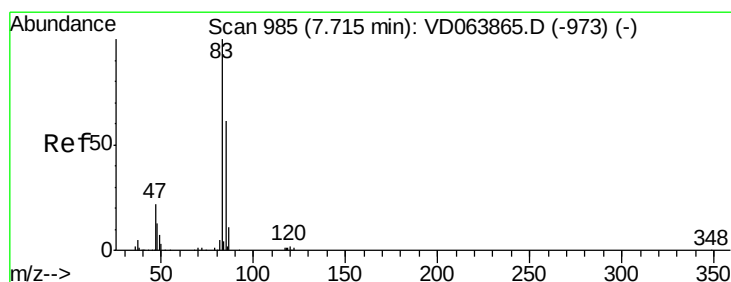
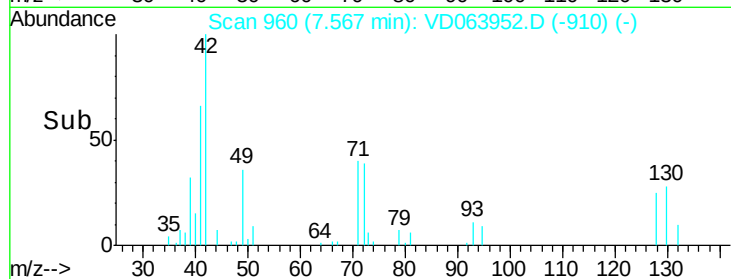
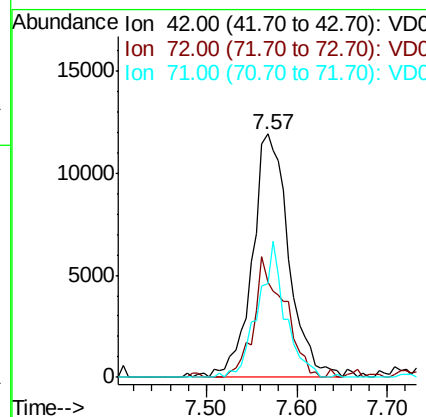
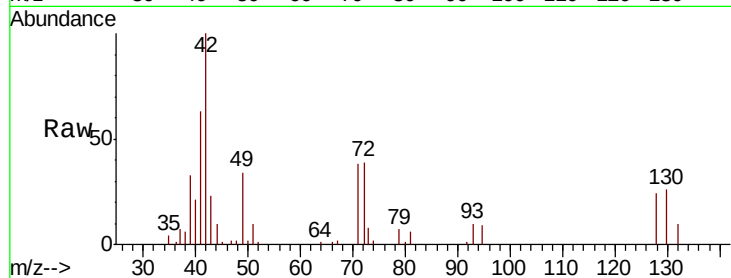
ClientSampleId :

VD1014SBS01

Tot Ion:	42	Resp:	33231
Ion Ratio	Lower	Upper	
42	100		
72	41.4	37.6	56.4
71	41.6	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 20.738 ug/l

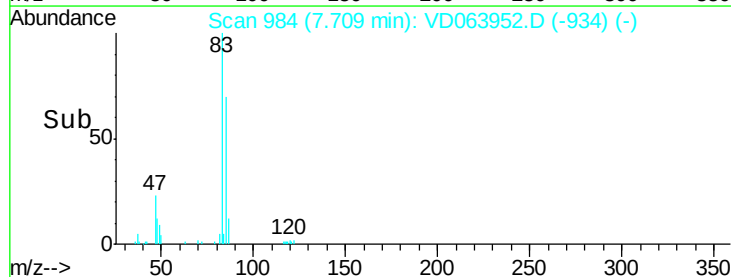
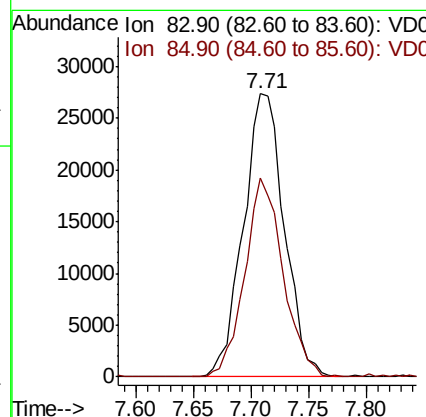
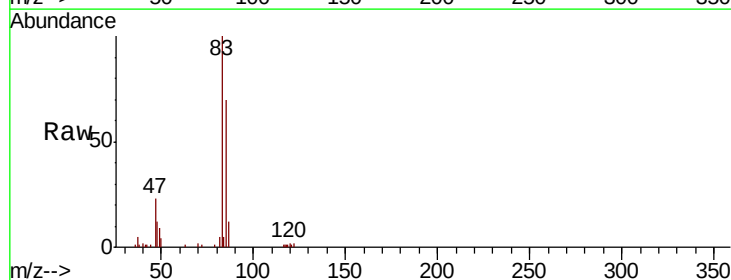
RT: 7.71 min Scan# 984

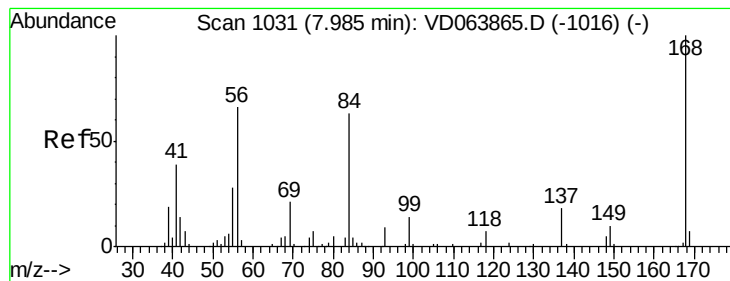
Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	83	Resp:	67732
Ion Ratio	Lower	Upper	
83	100		
85	70.3	48.9	73.3





#31

Cyclohexane

Concen: 22.810 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 56 Resp: 62107
Ion Ratio Lower Upper

56 100

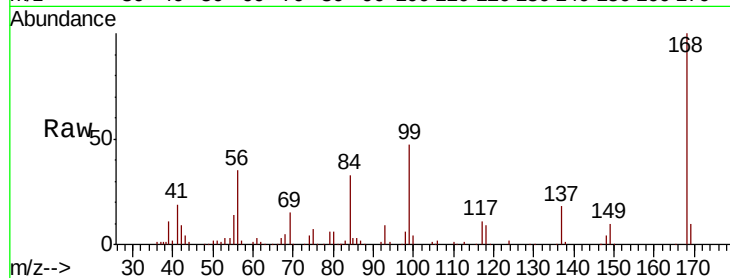
69 41.0 25.0 37.4#

84 93.4 76.3 114.5

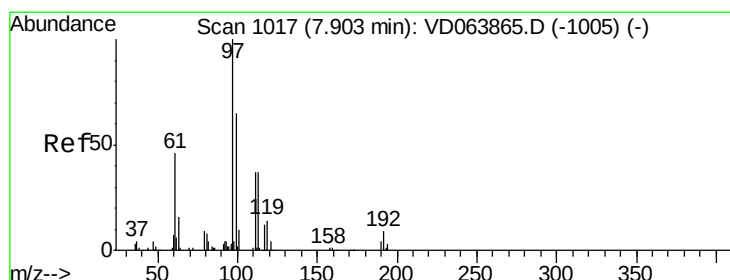
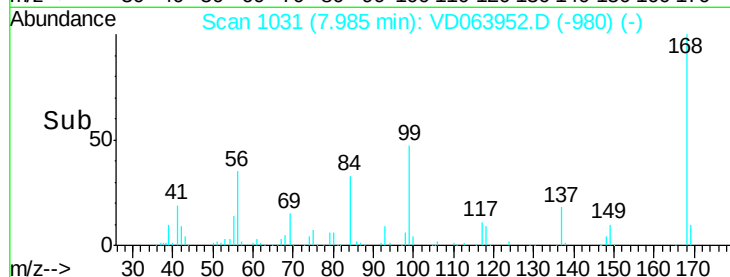
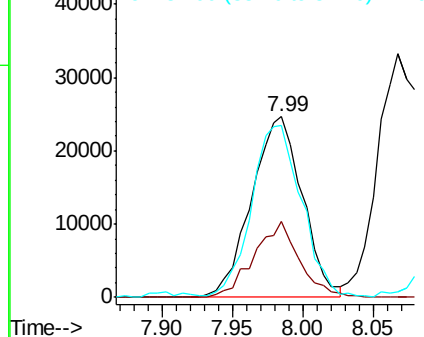
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 23.318 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063952.D

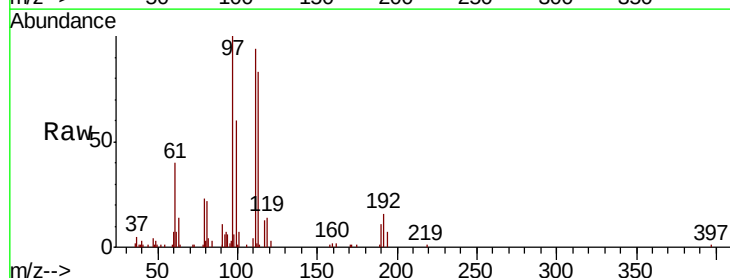
Acq: 14 Oct 2019 13:34

Tgt Ion: 97 Resp: 65331
Ion Ratio Lower Upper

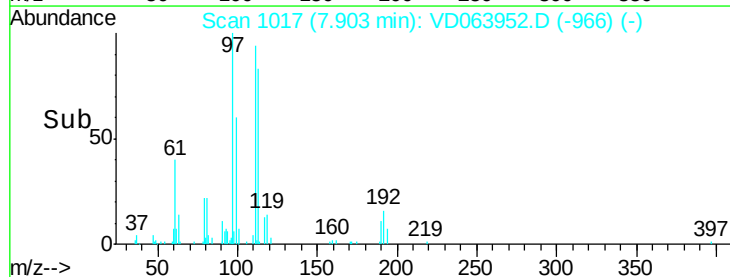
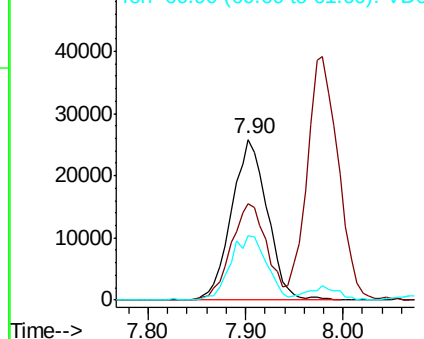
97 100

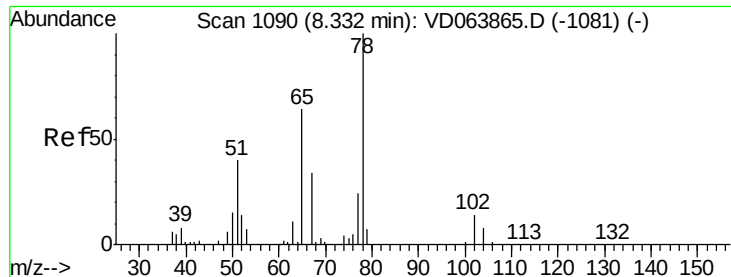
99 59.8 52.4 78.6

61 40.5 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





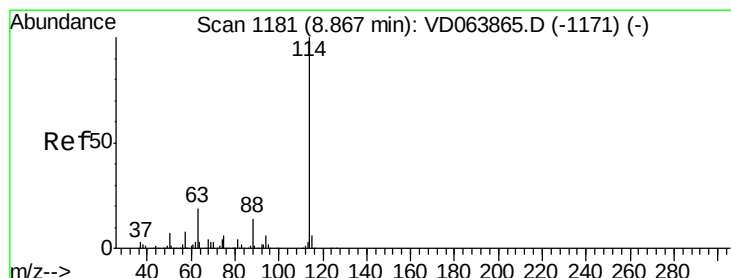
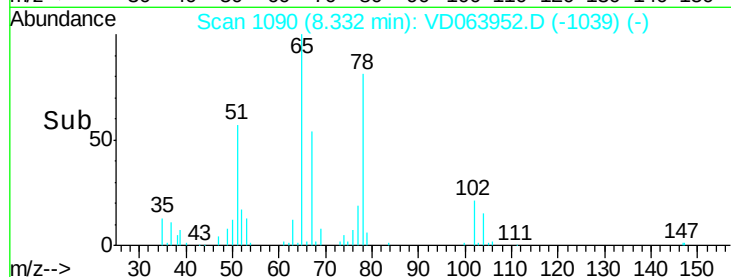
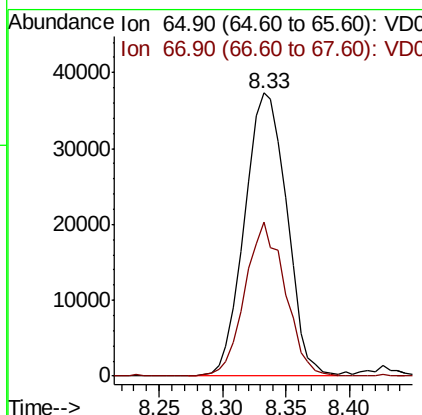
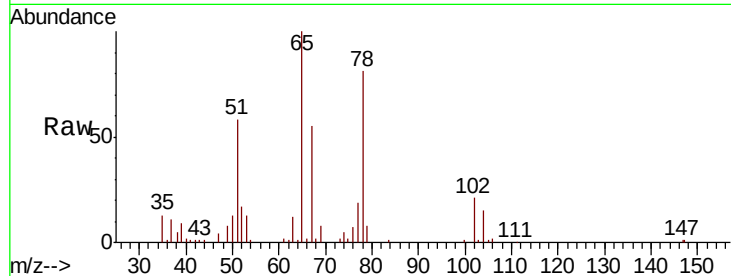
#33
 1,2-Dichloroethane-d4
 Concen: 51.745 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.4

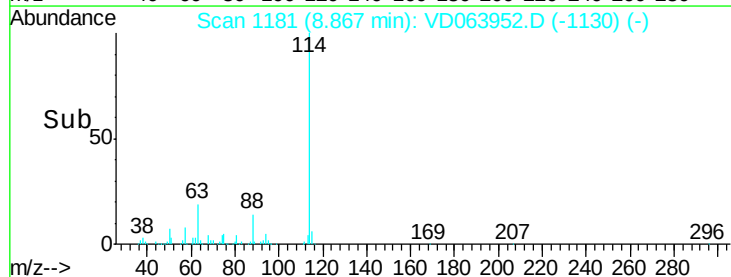
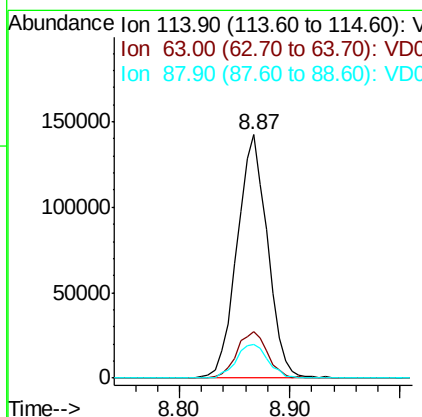
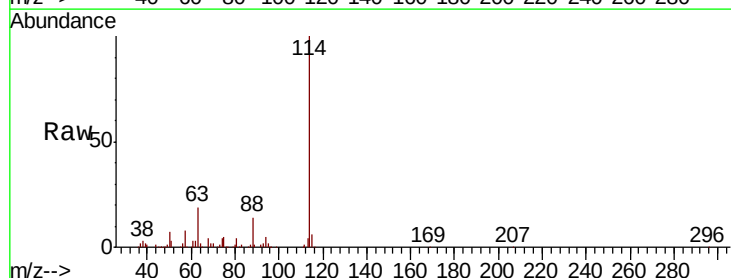
Manual Integrations
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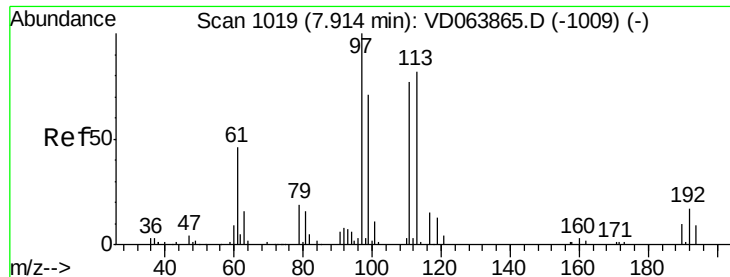
MMDadoda
 10/16/2019 12:54:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	13.8	0.0	27.4





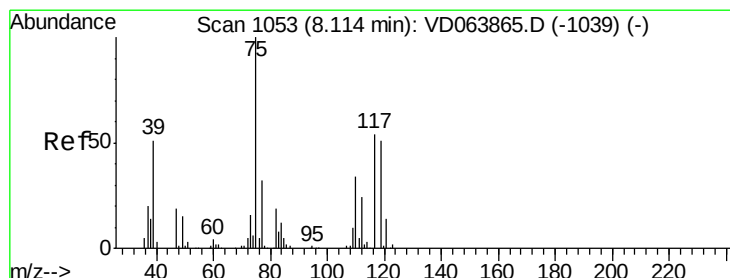
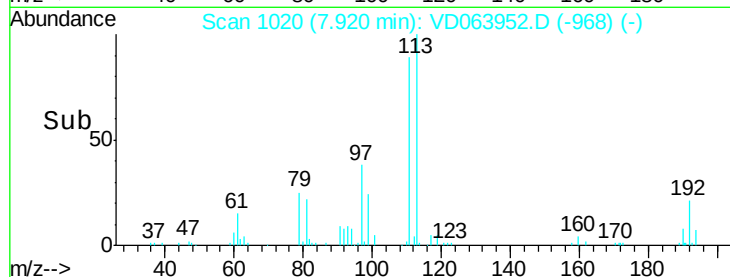
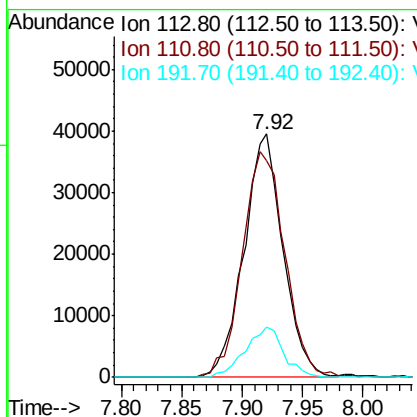
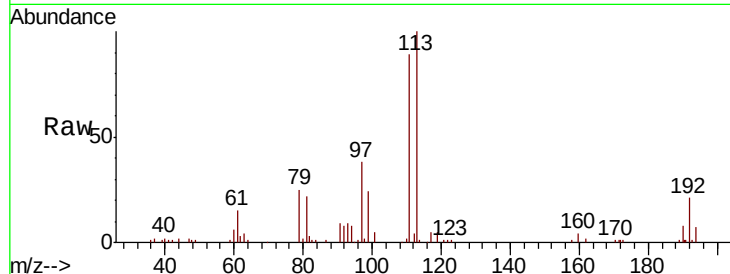
#35
Dibromofluoromethane
Concen: 52.569 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89006		
111	101.0		82.6	123.8
192	20.3		17.1	25.7

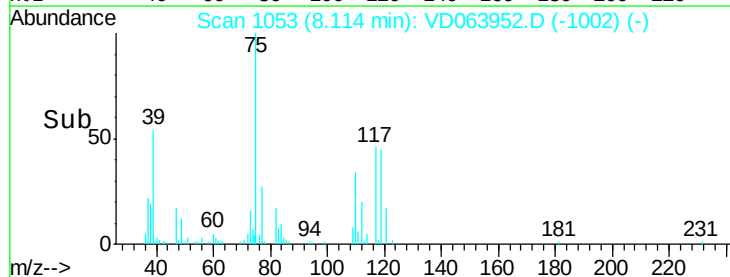
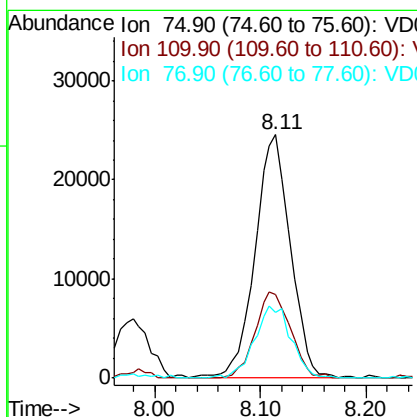
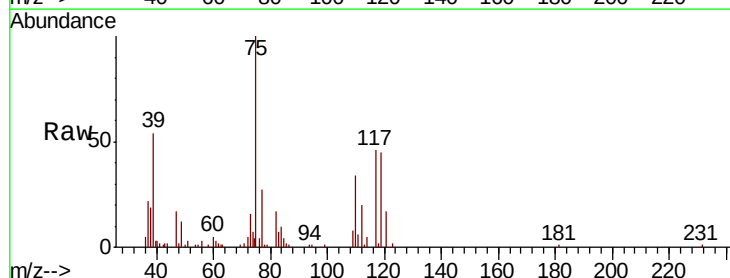
Manual Integrations
APPROVED

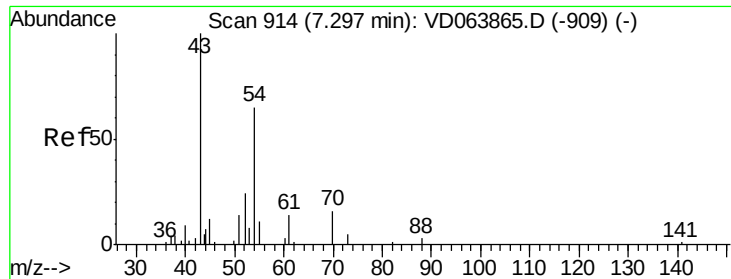
MMDadoda
10/16/2019 12:54:28 AM



#36
1,1-Dichloropropene
Concen: 22.566 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57161		
110	35.5		17.4	52.3
77	30.7		25.4	38.0





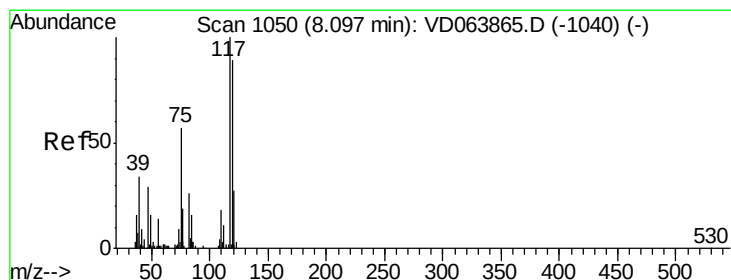
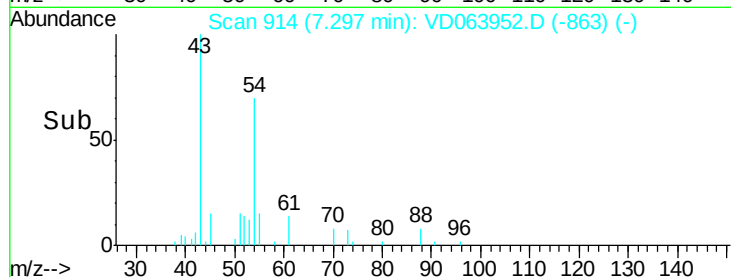
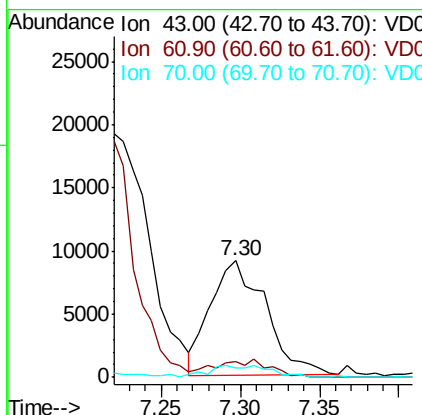
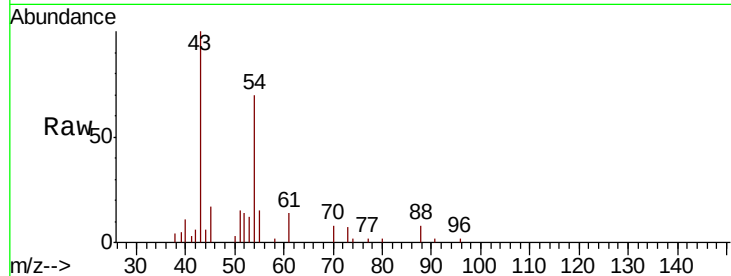
#37
Ethyl Acetate
Concen: 19.497 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.0	8.2	12.4

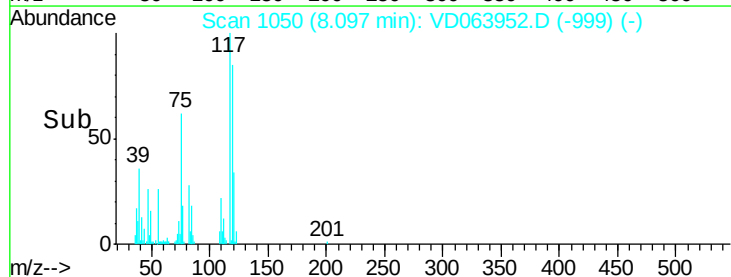
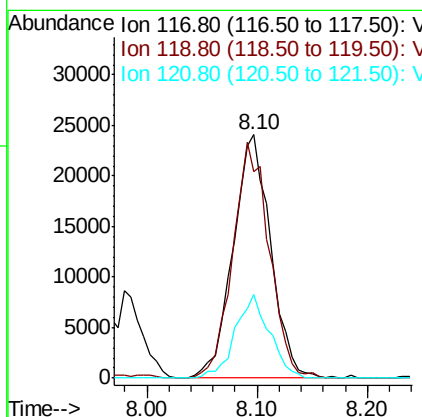
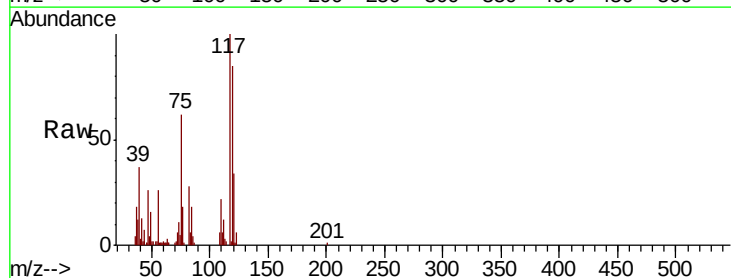
Manual Integrations
APPROVED

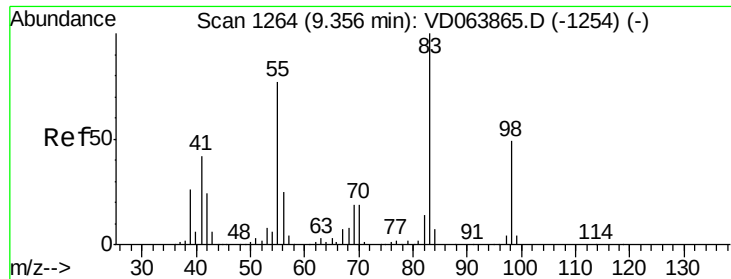
MMDadoda
10/16/2019 12:54:28 AM



#38
Carbon Tetrachloride
Concen: 22.450 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.8	70.8	106.2
121	34.5	21.4	32.0





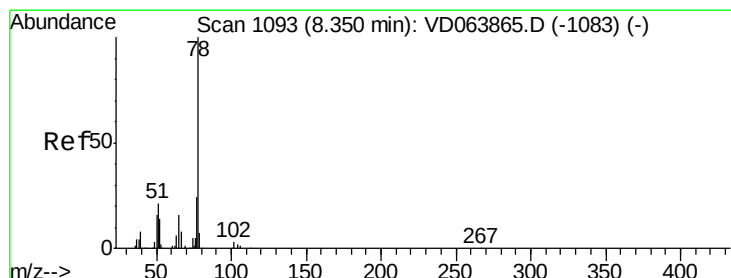
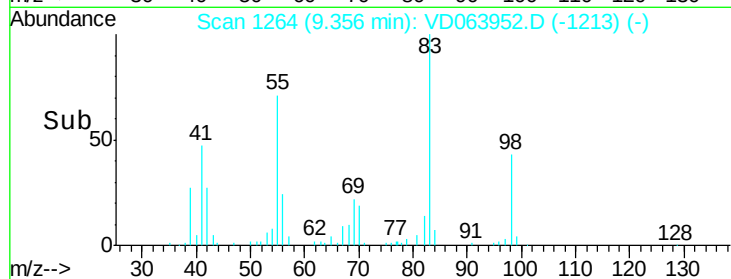
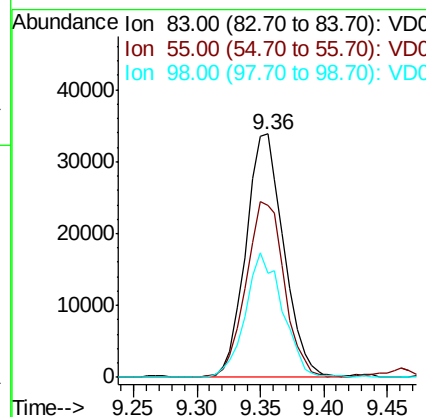
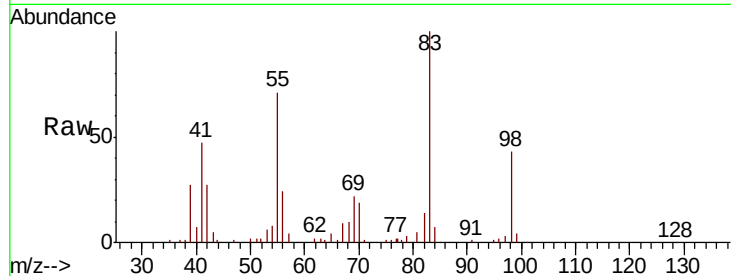
#39
Methylvlcyclohexane
Concen: 22.579 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	61.3	91.9
98	42.9	39.3	58.9

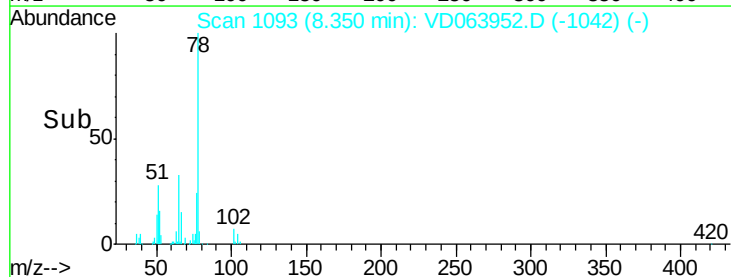
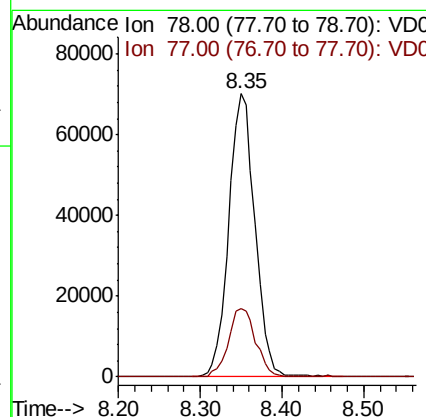
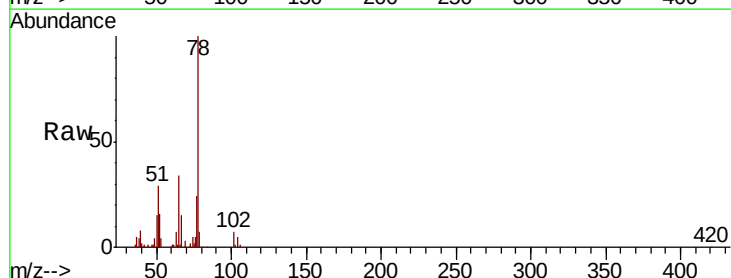
Manual Integrations
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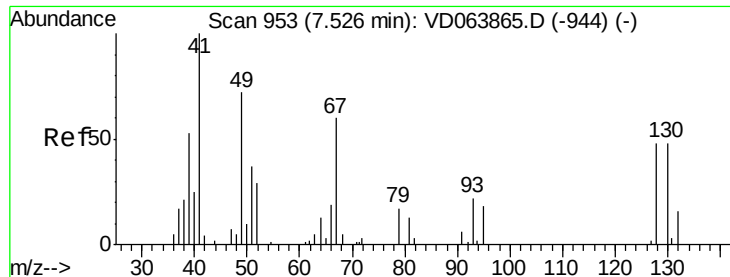
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#40
Benzene
Concen: 21.513 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





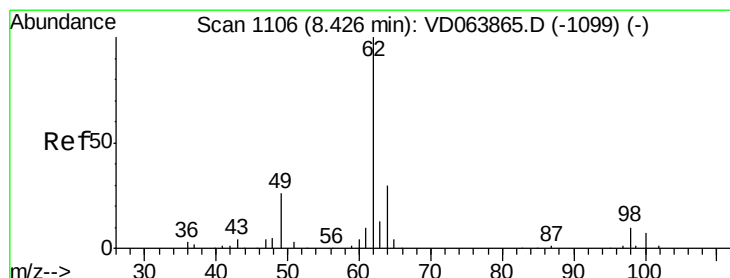
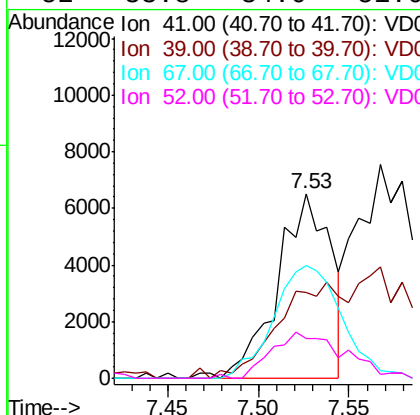
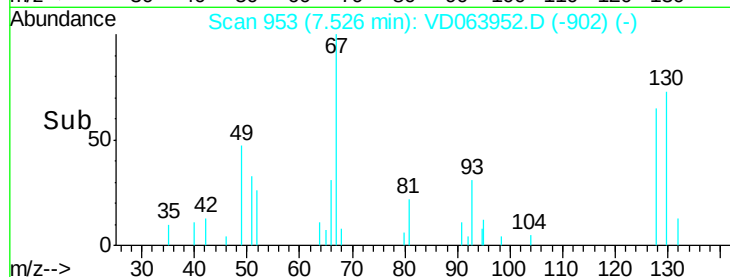
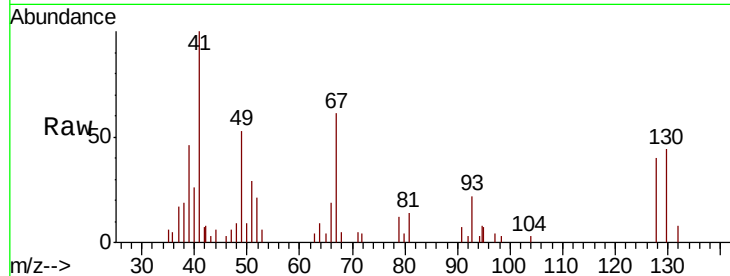
#41
Methacrylonitrile
Concen: 22.811 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 41 Resp: 13397
Ion Ratio Lower Upper
41 100
39 65.3 52.6 78.8
67 77.8 74.2 111.2
52 33.8 34.0 51.0#

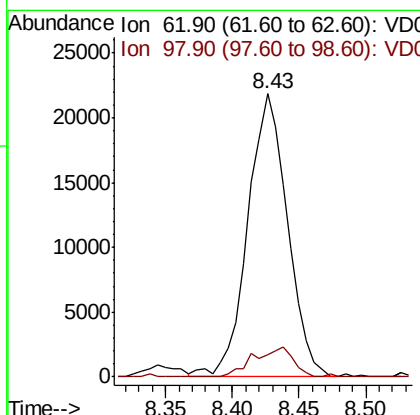
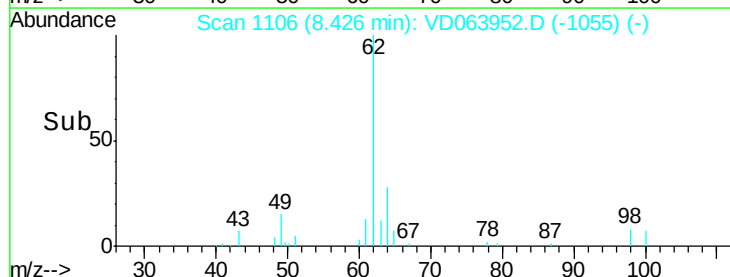
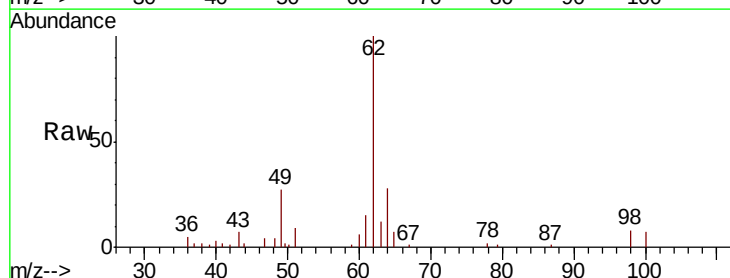
Manual Integrations
APPROVED

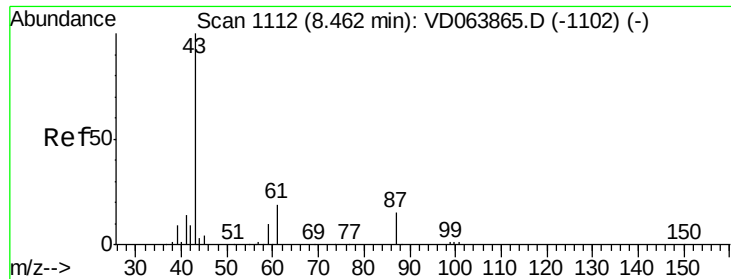
MMDadoda
10/16/2019 12:54:28 AM



#42
1,2-Dichloroethane
Concen: 21.387 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 62 Resp: 44908
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 20.446 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

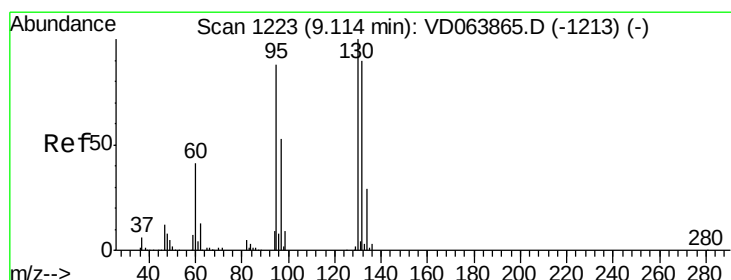
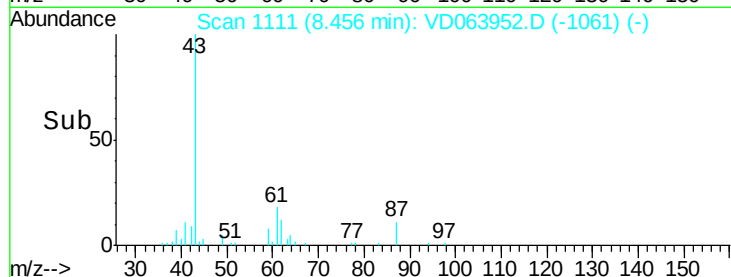
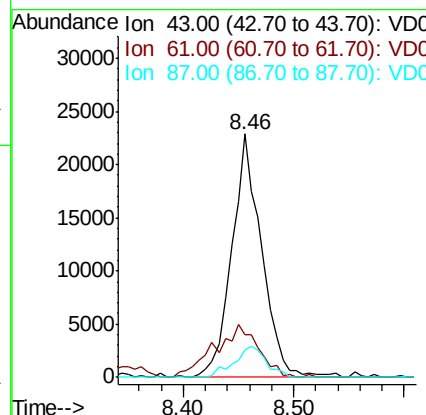
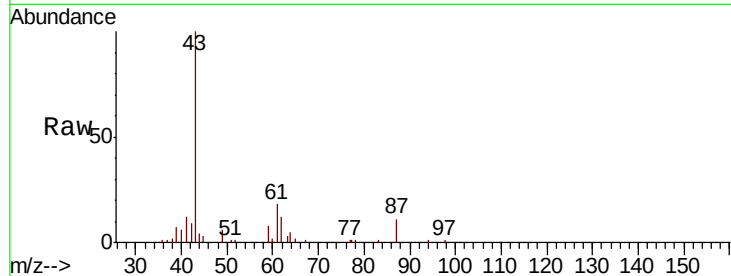
ClientSampleId :

VD1014SBS01

Tot Ion:	43	Resp:	43435
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.7	38.5
87	13.6	11.6	17.4

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#44

Trichloroethene

Concen: 22.033 ug/l

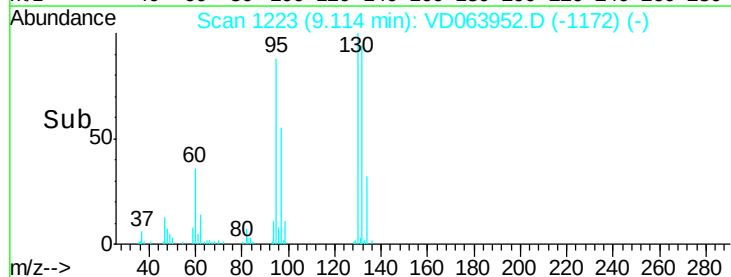
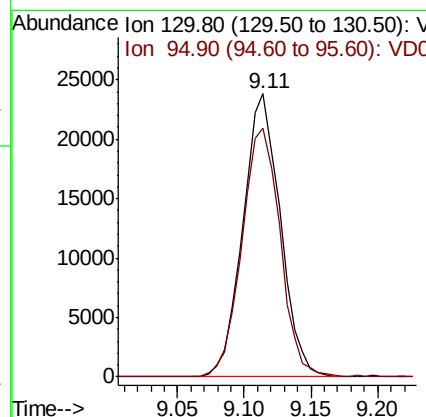
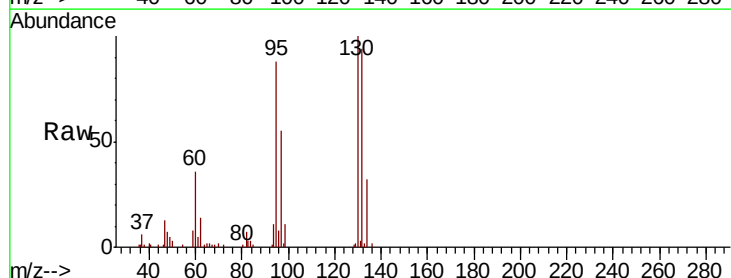
RT: 9.11 min Scan# 1223

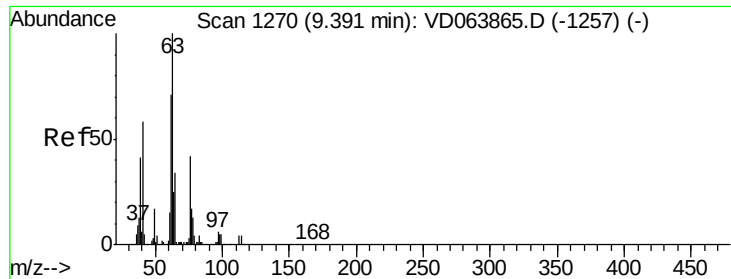
Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	130	Resp:	46121
Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	175.6





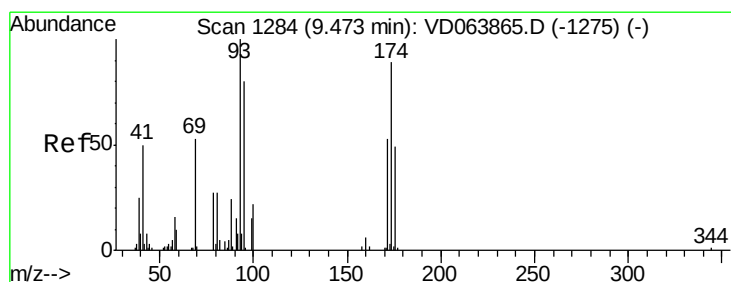
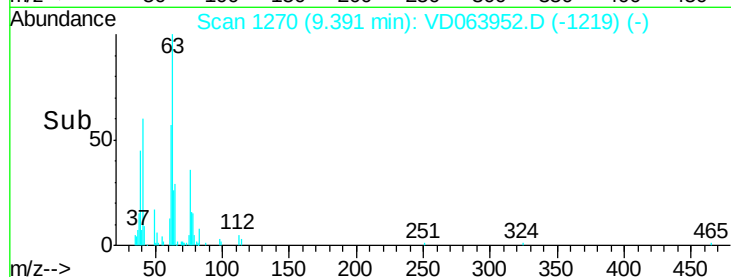
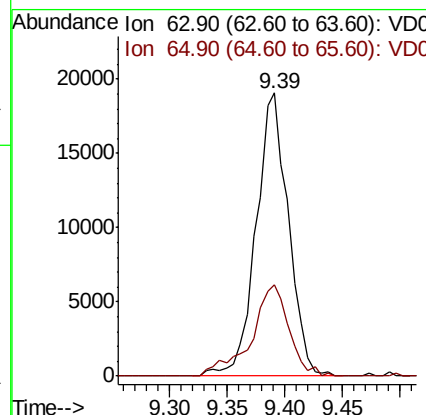
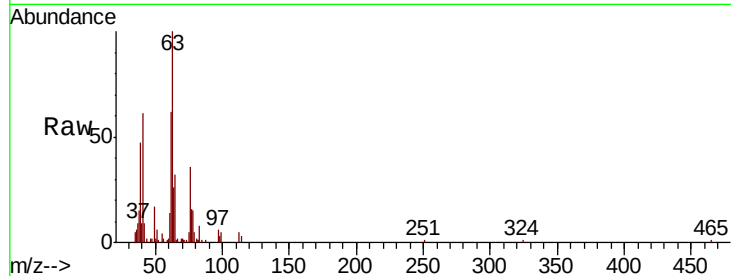
#45
 1,2-Dichloropropane
 Concen: 20.970 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	27.3	40.9

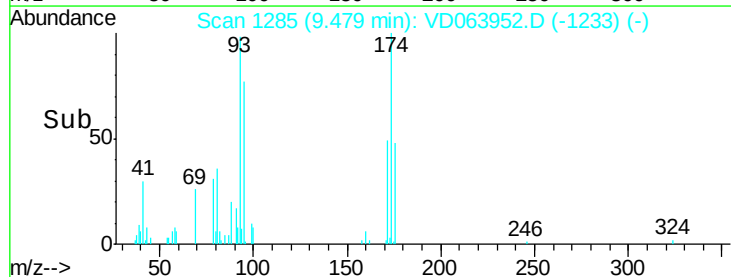
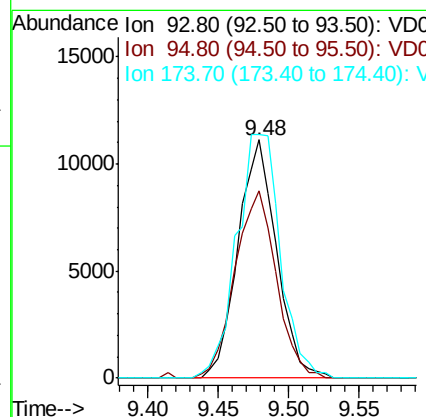
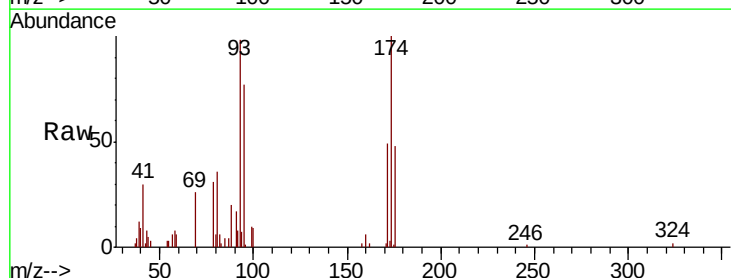
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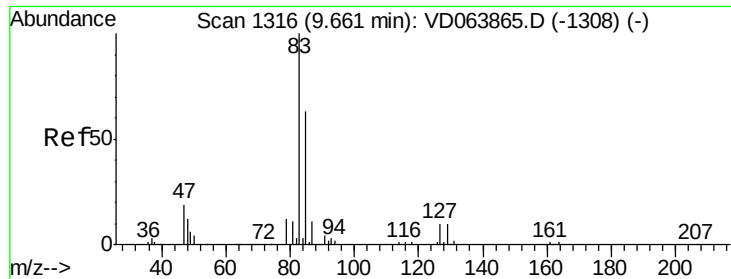
MMDadoda
 10/16/2019 12:54:28 AM



#46
 Dibromomethane
 Concen: 20.949 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.0	99.0
174	116.4	83.4	125.0





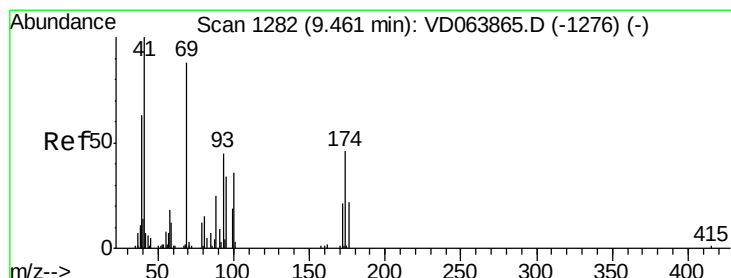
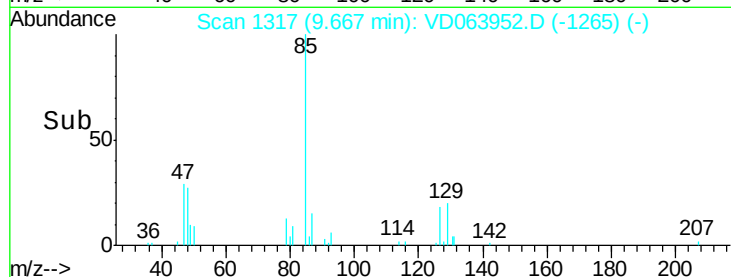
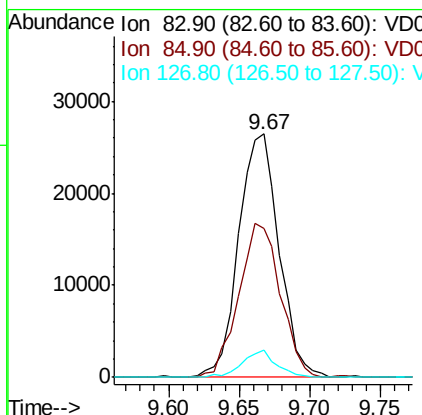
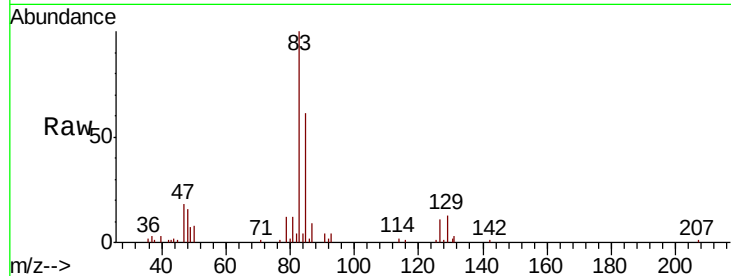
#47
Bromodichloromethane
Concen: 20.296 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	83	Resp	52876
Ion Ratio	100		
85	61.2	50.2	75.2
127	11.3	7.6	11.4

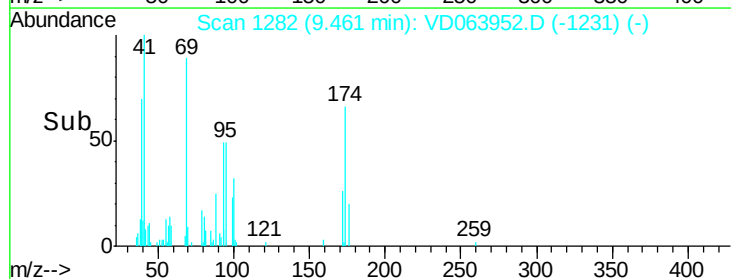
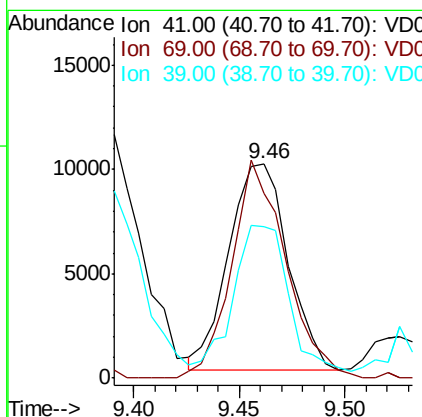
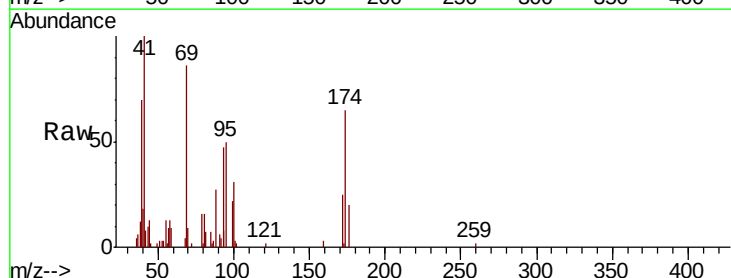
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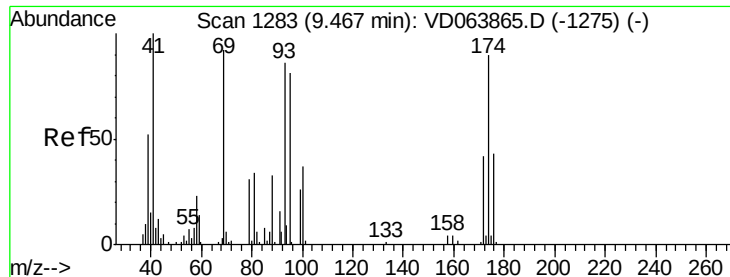
MMDadoda
10/16/2019 12:54:28 AM



#48
Methyl methacrylate
Concen: 18.892 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	41	Resp	19229
Ion Ratio	100		
69	97.0	75.1	112.7
39	72.7	50.2	75.2





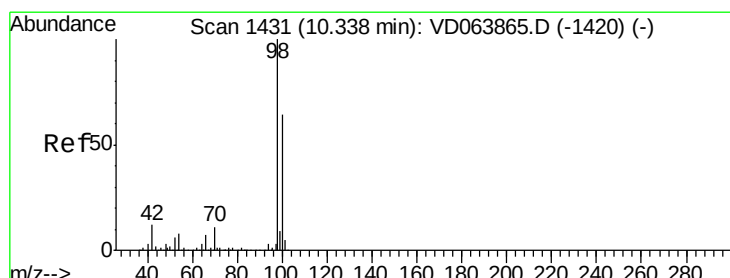
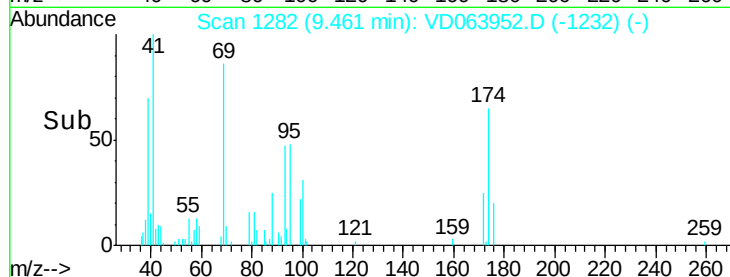
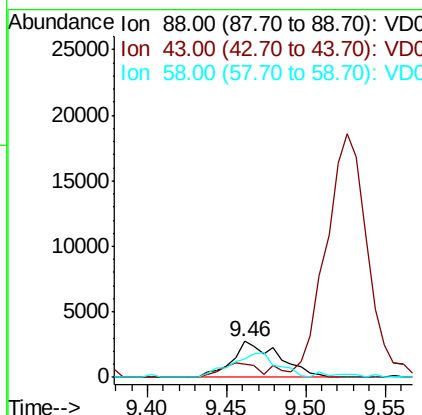
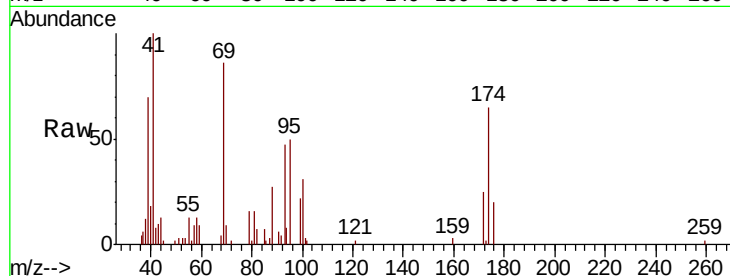
#49
1,4-Dioxane
Concen: 410.357 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	27.6	41.4
58	64.5	54.1	81.1

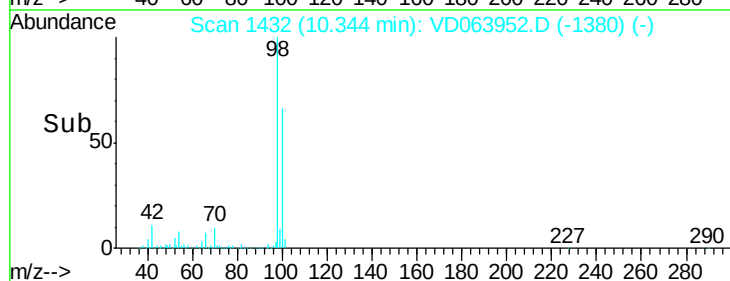
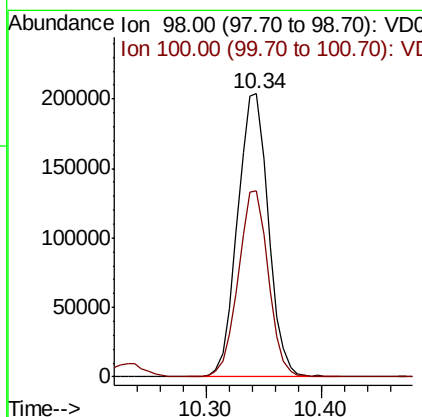
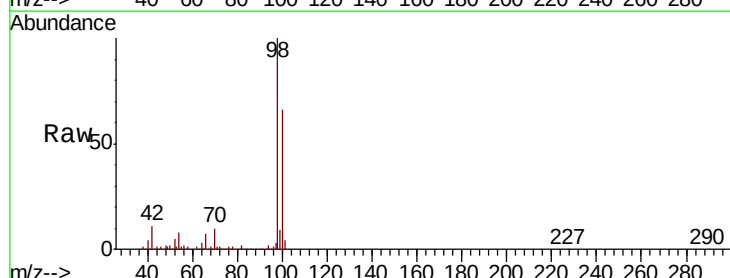
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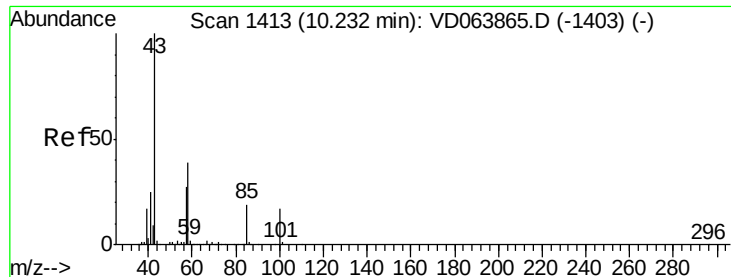
MMDadoda
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#50
Toluene-d8
Concen: 54.857 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1





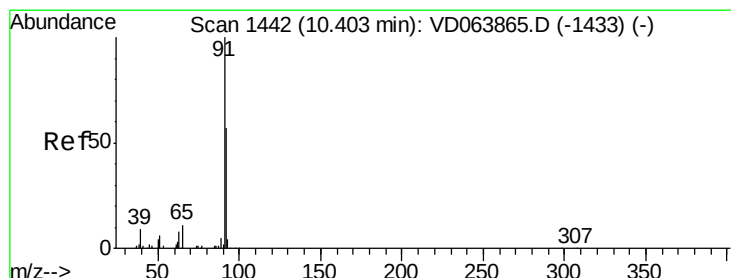
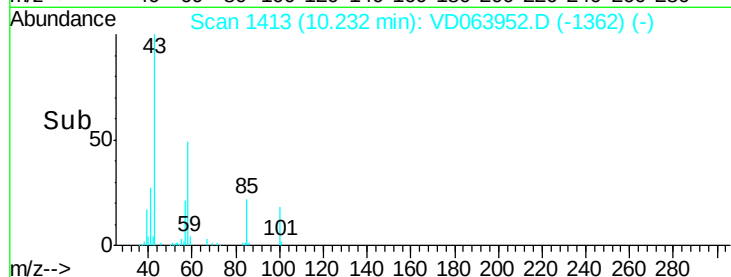
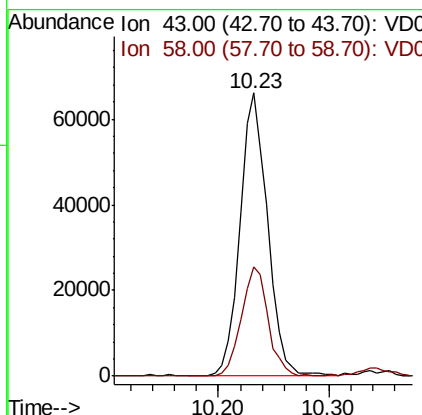
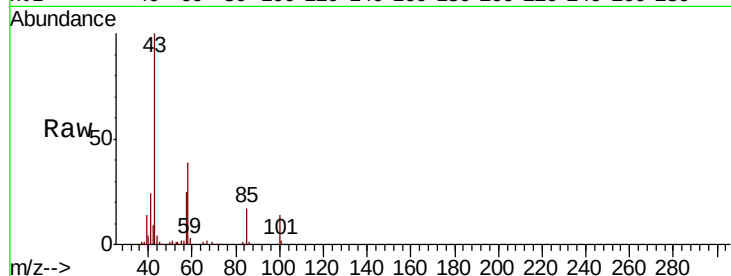
#51
4-Methyl-2-Pentanone
Concen: 105.305 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	43	Resp	116018
Ion Ratio	43	100	
Lower	58	37.5	33.0
Upper			49.4

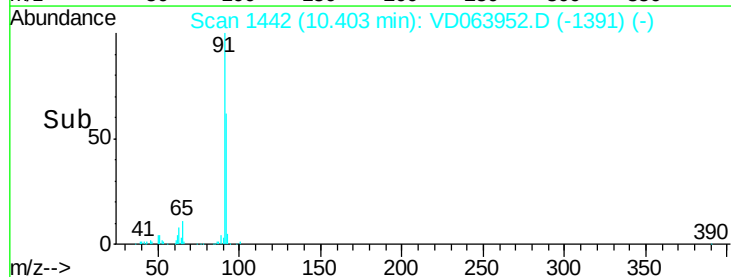
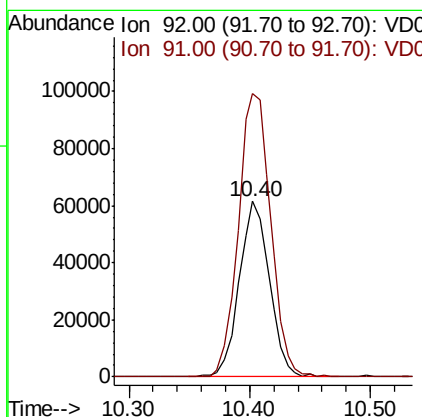
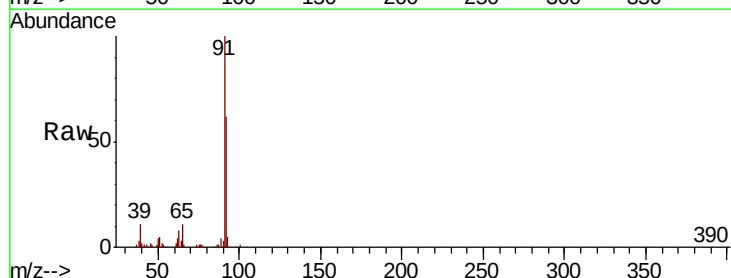
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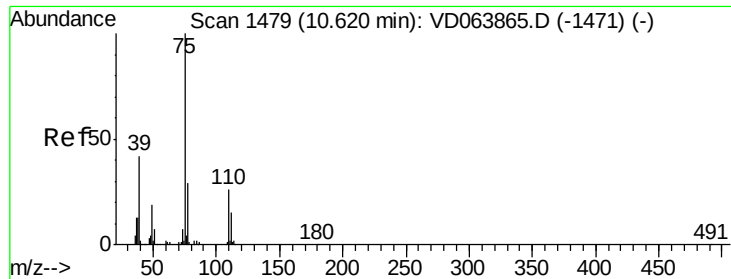
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#52
Toluene
Concen: 21.585 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	92	Resp	107562
Ion Ratio	92	100	
Lower	91	173.0	139.5
Upper			209.3





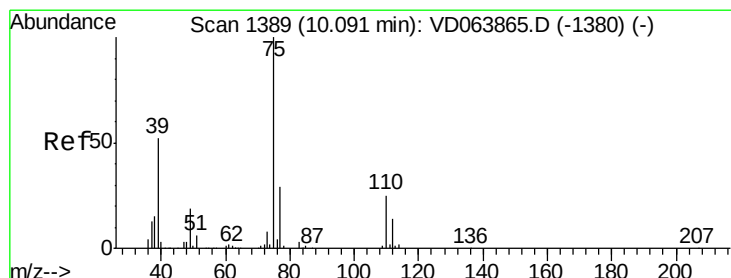
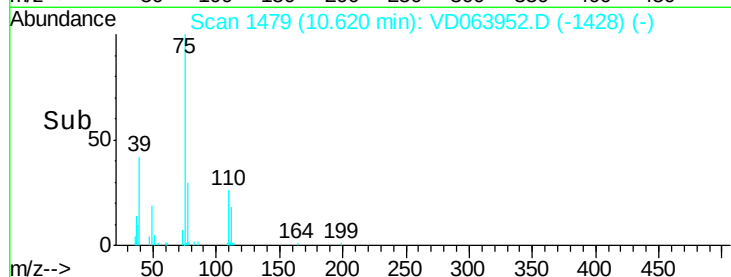
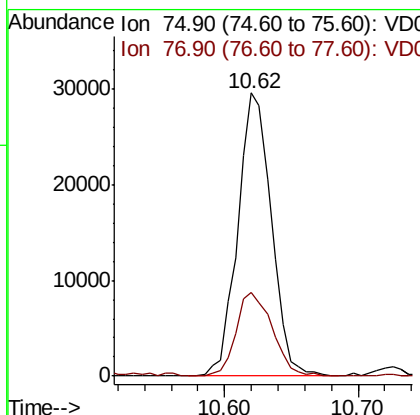
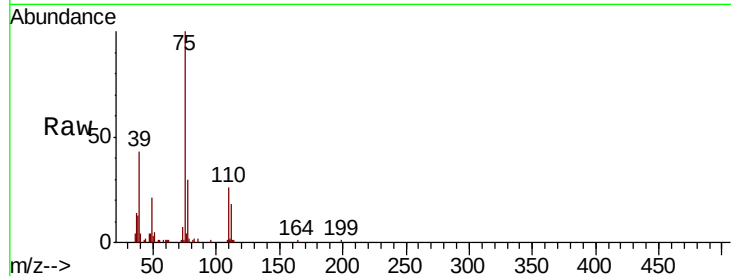
#53
 t-1,3-Dichloropropene
 Concen: 20.254 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion: 75 Resp: 51490
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.8 34.2

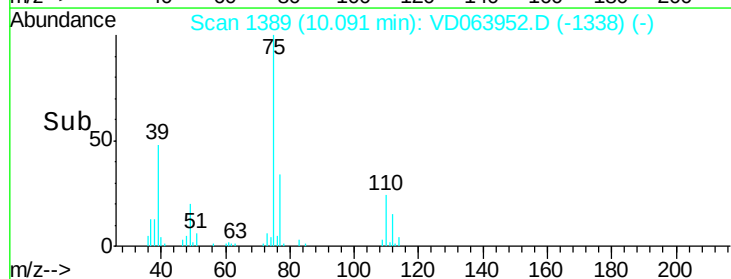
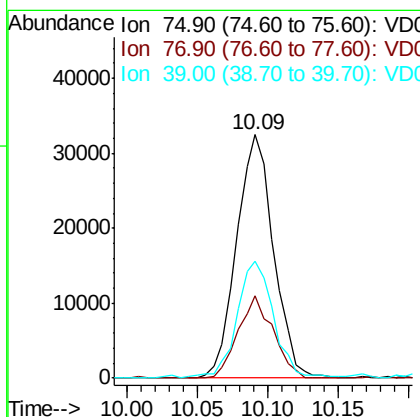
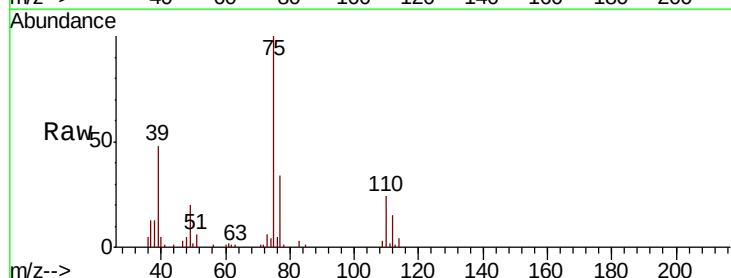
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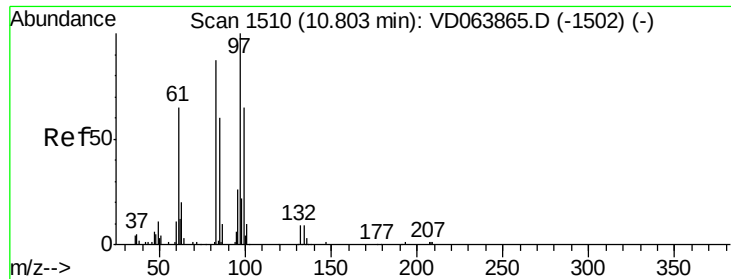
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#54
 cis-1,3-Dichloropropene
 Concen: 20.329 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 75 Resp: 59491
 Ion Ratio Lower Upper
 75 100
 77 33.7 23.2 34.8
 39 47.6 41.5 62.3





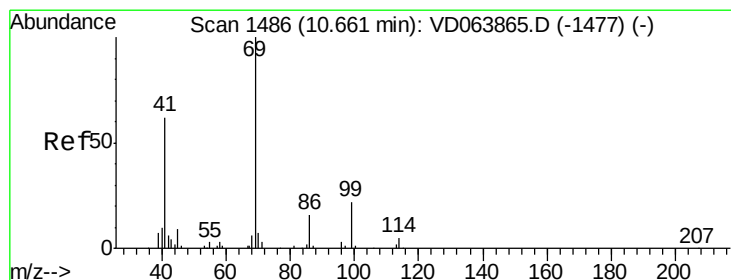
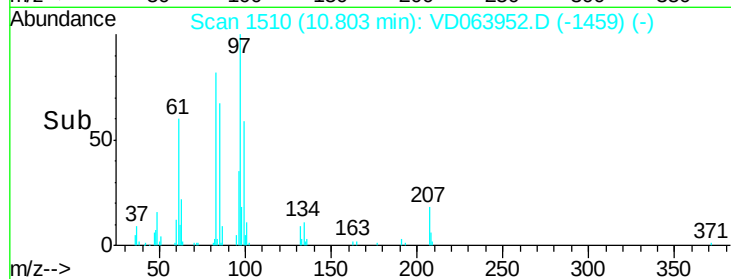
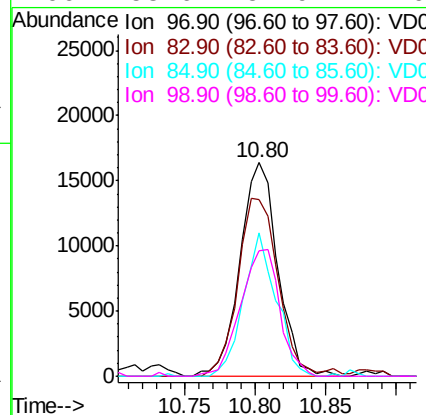
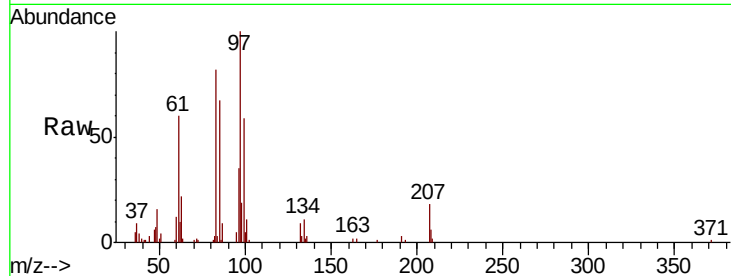
#55
 1,1,2-Trichloroethane
 Concen: 21.485 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	97	Resp	30697
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.7	104.5
85	66.9	48.1	72.1
99	58.6	51.9	77.9

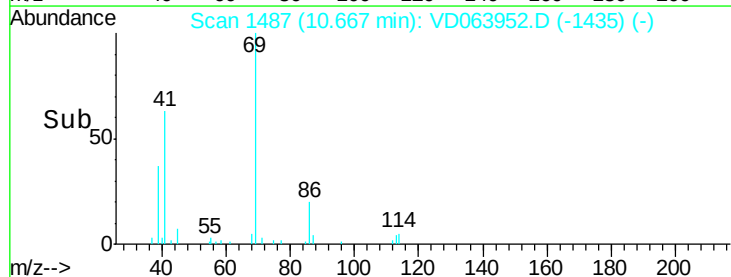
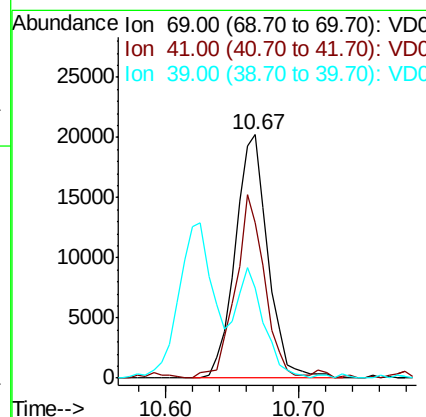
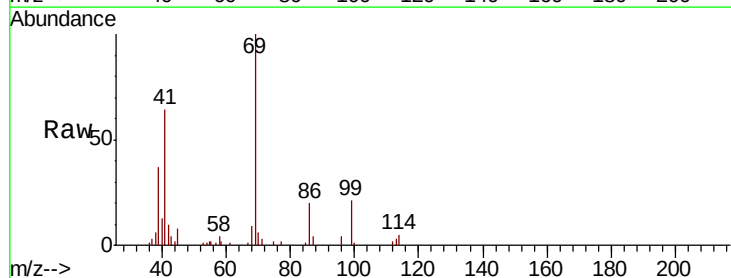
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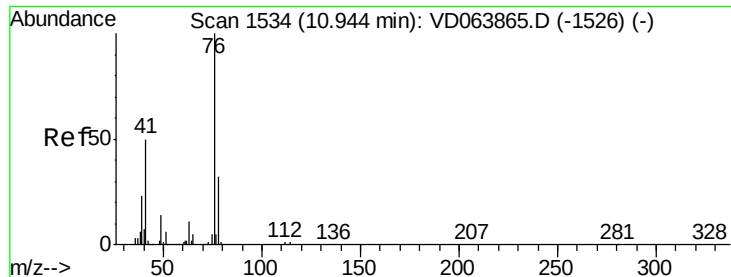
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#56
 Ethyl methacrylate
 Concen: 18.994 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	69	Resp	34367
Ion	Ratio	Lower	Upper
69	100		
41	67.3	51.3	76.9
39	39.4	28.0	42.0





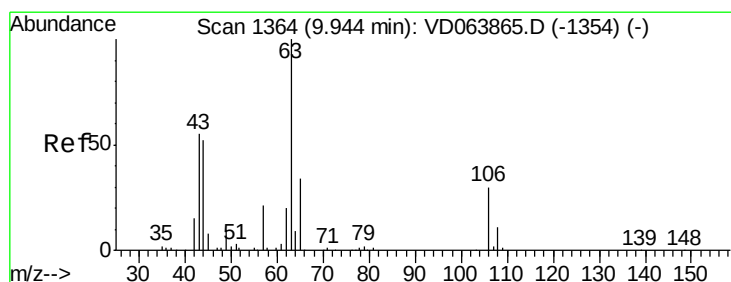
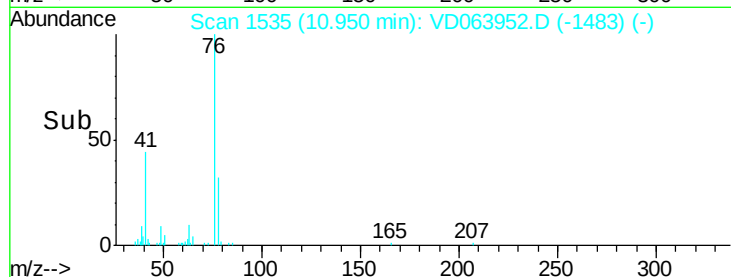
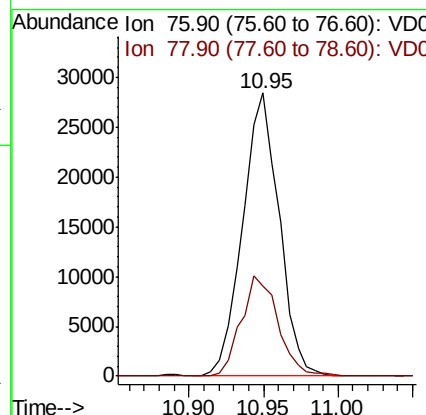
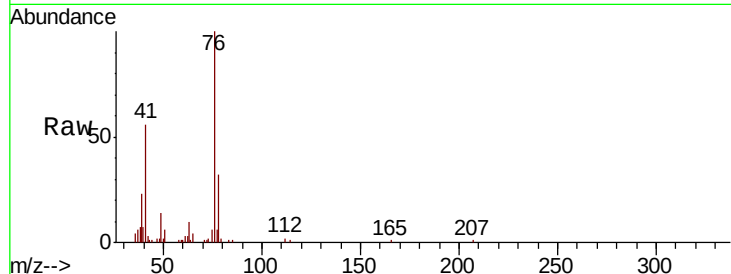
#57
 1,3-Dichloropropane
 Concen: 19.667 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.9	26.6	40.0

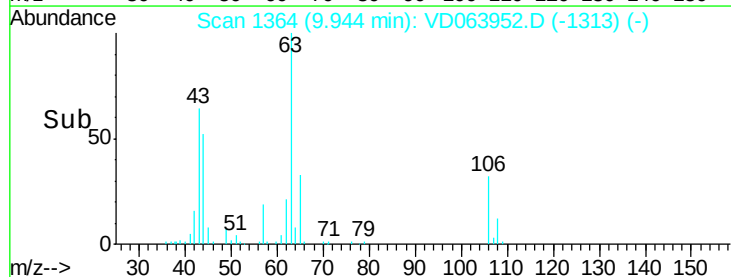
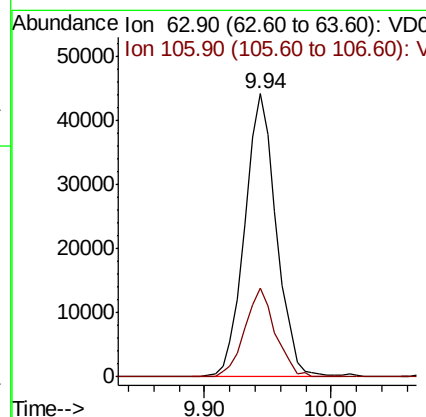
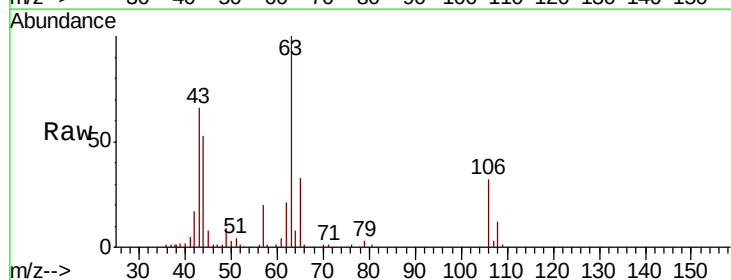
Manual Integrations
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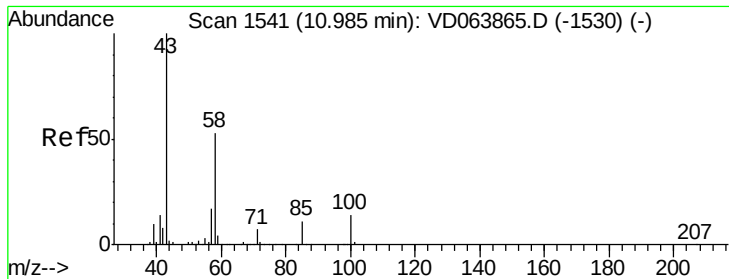
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 10/16/2019 12:54:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.319 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.3	36.5





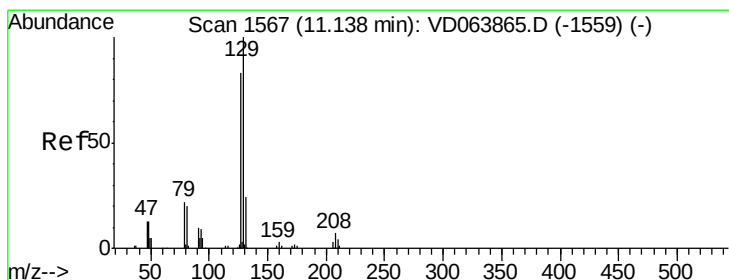
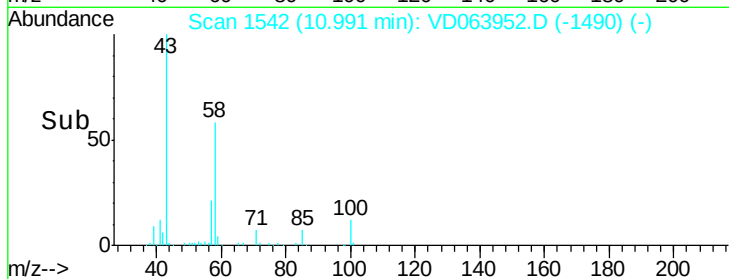
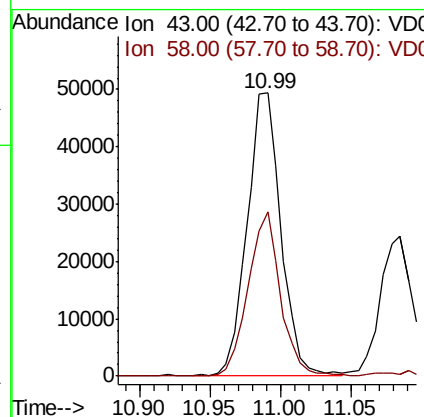
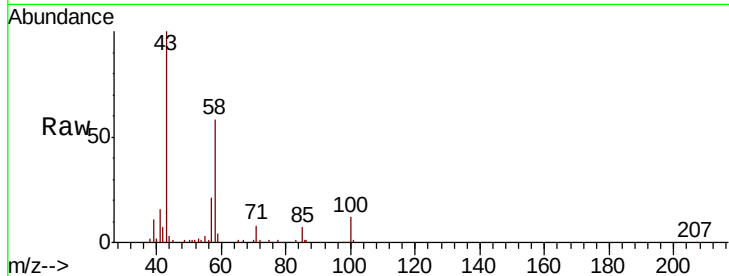
#59
2-Hexanone
Concen: 104.468 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 43 Resp: 83257
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0

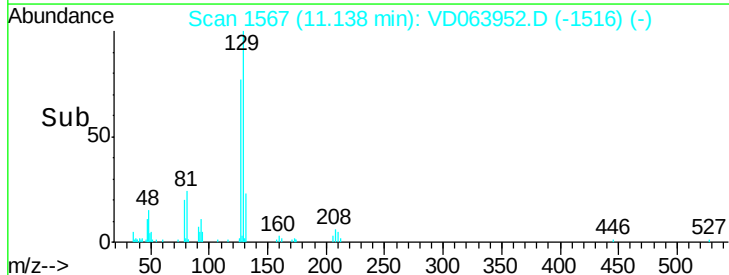
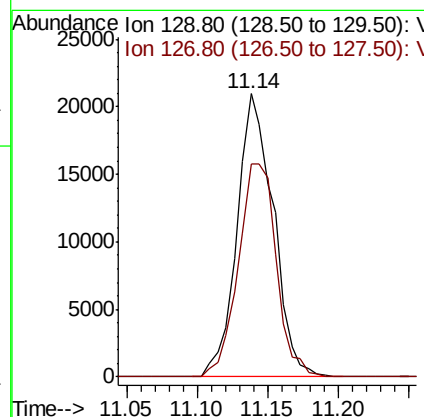
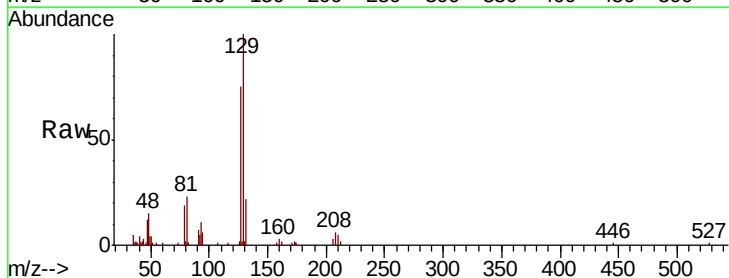
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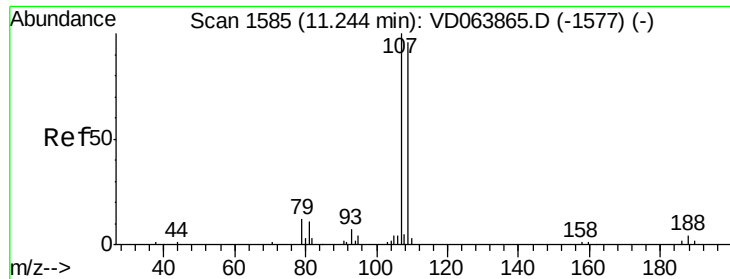
MMDadoda
10/16/2019 12:54:28 AM



#60
Dibromochloromethane
Concen: 20.246 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 129 Resp: 37660
Ion Ratio Lower Upper
129 100
127 78.9 39.9 119.6





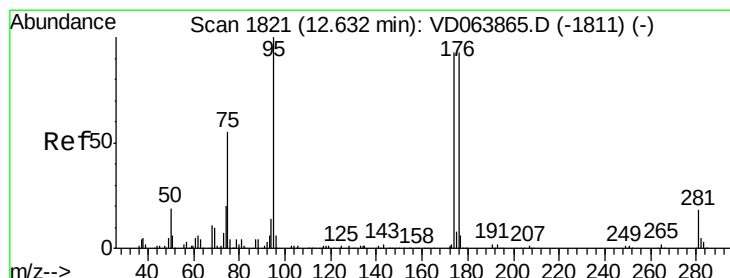
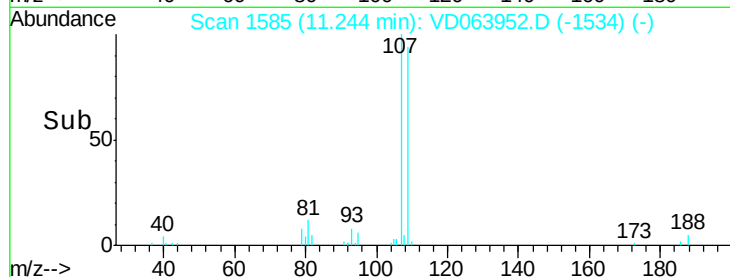
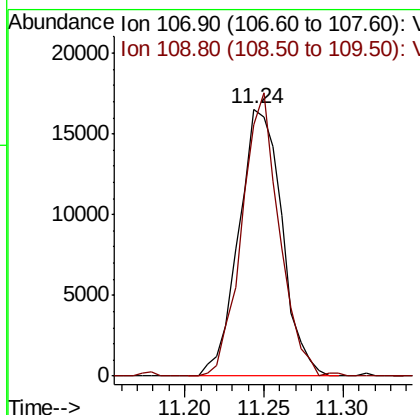
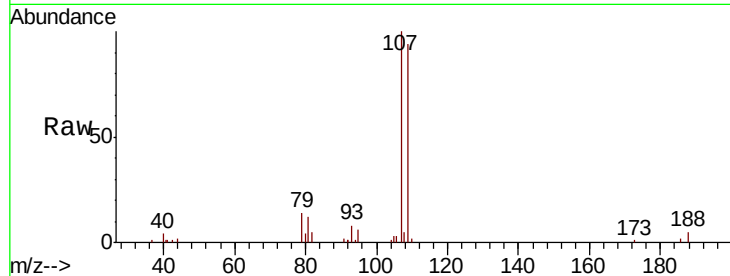
#61
 1,2-Dibromoethane
 Concen: 22.570 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion: 107 Resp: 31262
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.2 112.8

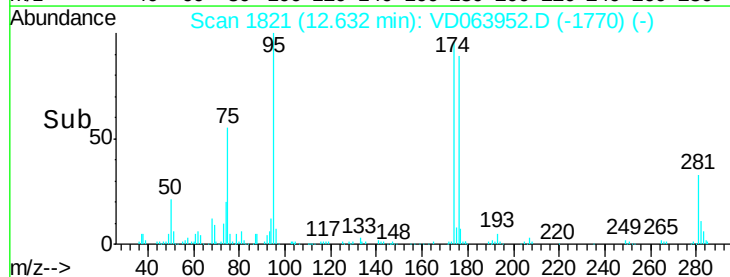
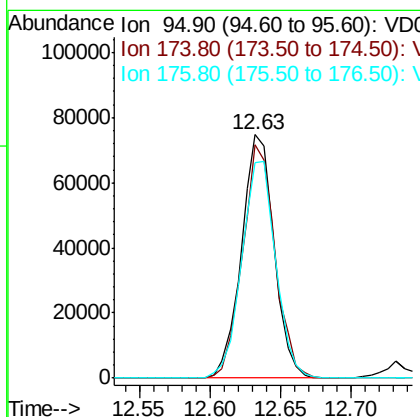
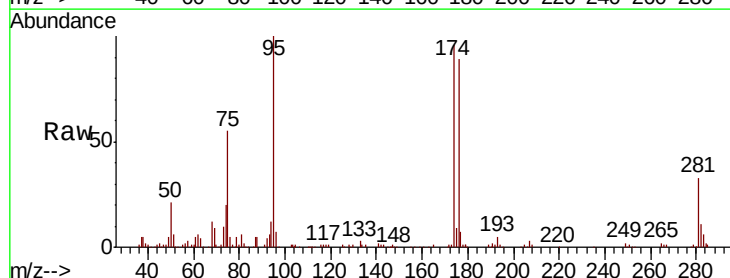
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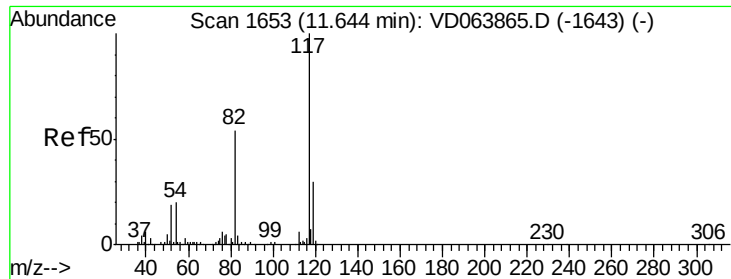
MMDadoda
 10/16/2019 12:54:28 AM



#62
 4-Bromofluorobenzene
 Concen: 50.545 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 95 Resp: 120705
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 186.4
 176 93.1 0.0 184.2





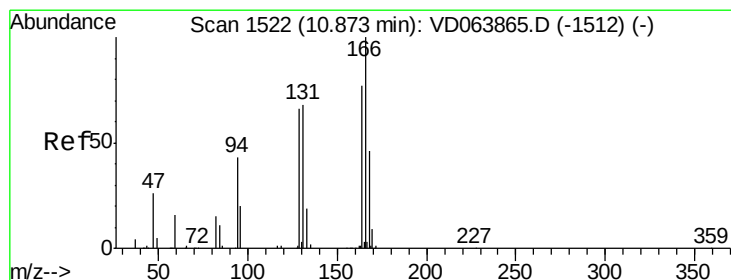
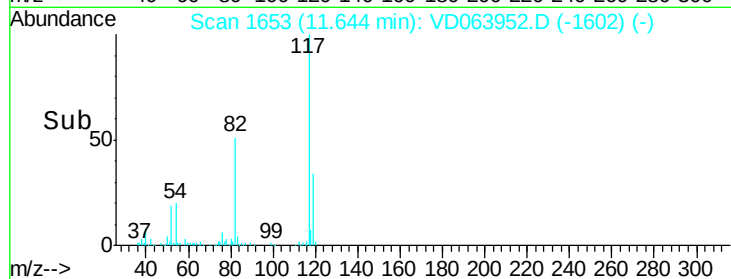
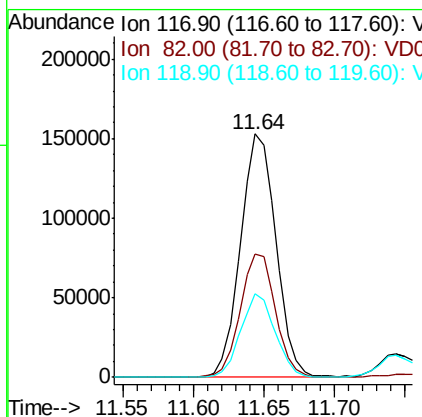
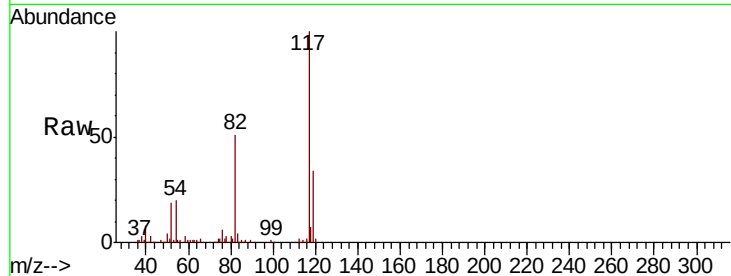
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.8	64.2
119	34.2	24.4	36.6

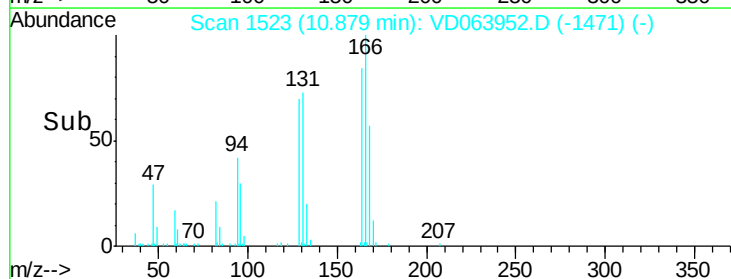
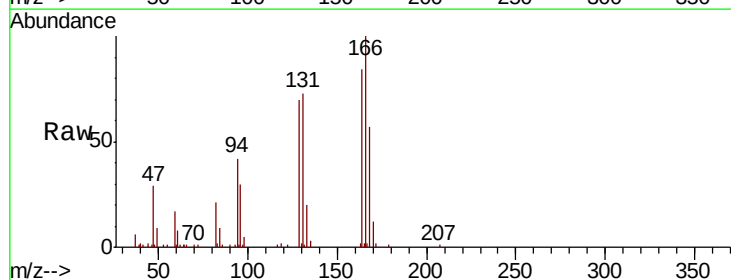
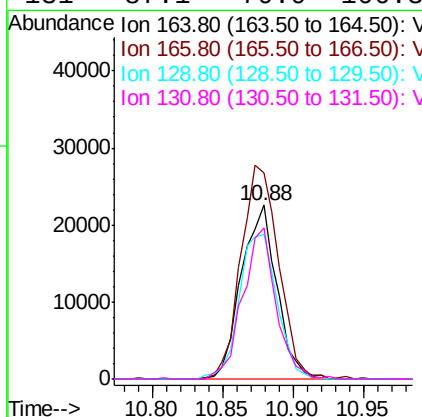
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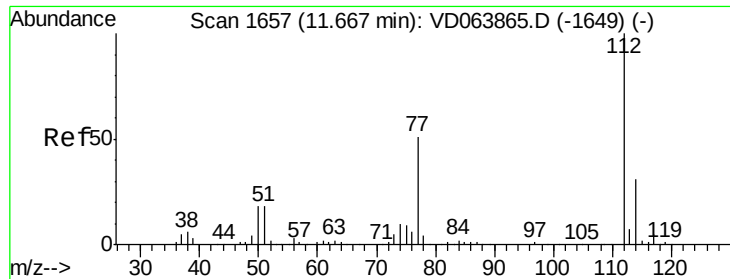
MMDadoda
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#64
Tetrachloroethene
Concen: 21.569 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.9	103.8	155.6
129	83.0	68.9	103.3
131	87.1	70.9	106.3





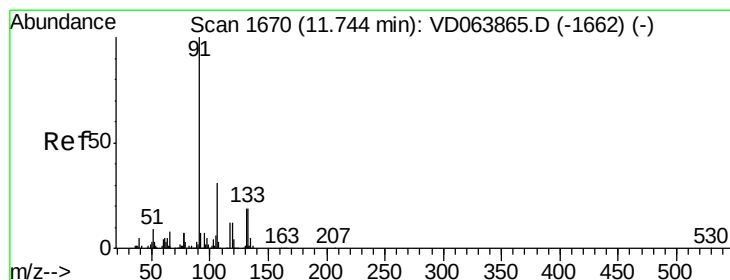
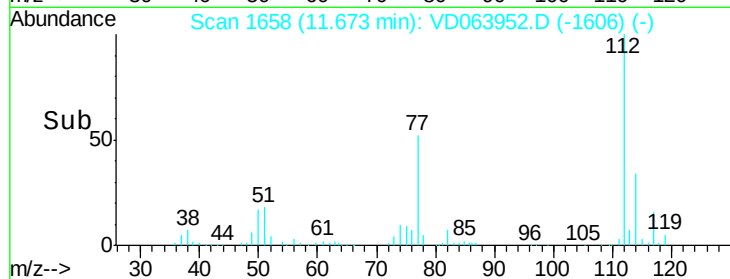
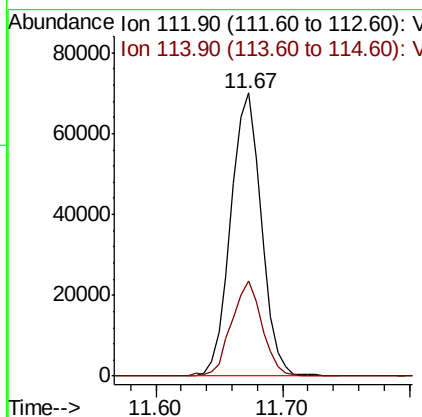
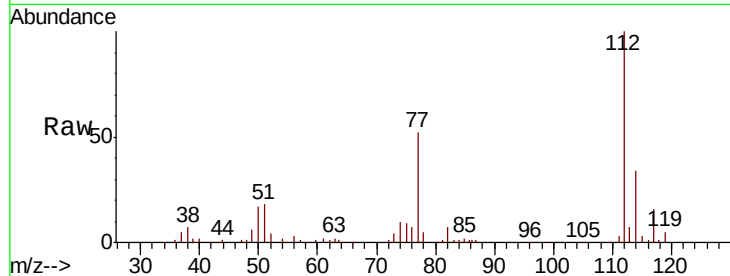
#65
Chlorobenzene
Concen: 21.600 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion:112 Resp: 117040
Ion Ratio Lower Upper
112 100
114 33.7 25.1 37.7

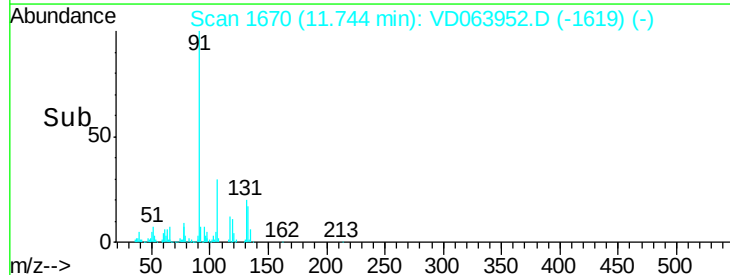
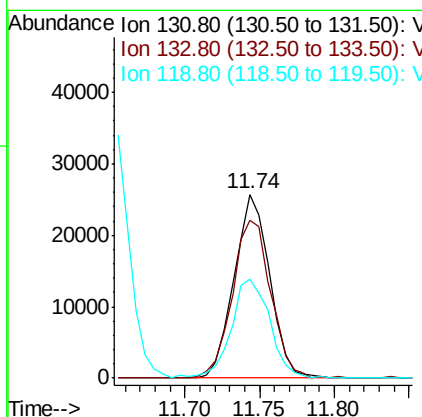
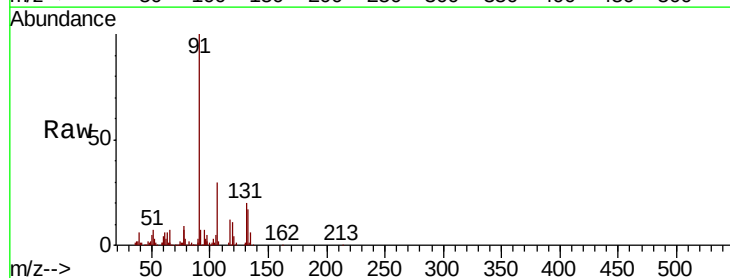
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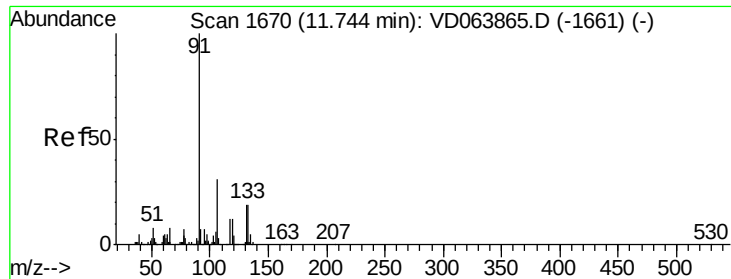
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.367 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion:131 Resp: 42660
Ion Ratio Lower Upper
131 100
133 92.6 48.9 146.7
119 58.2 32.6 97.8





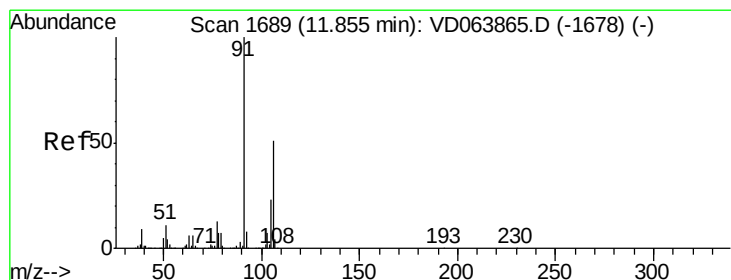
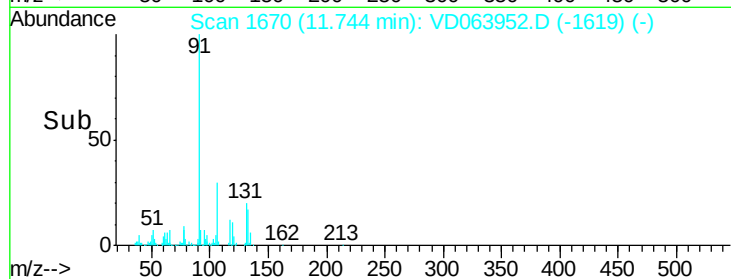
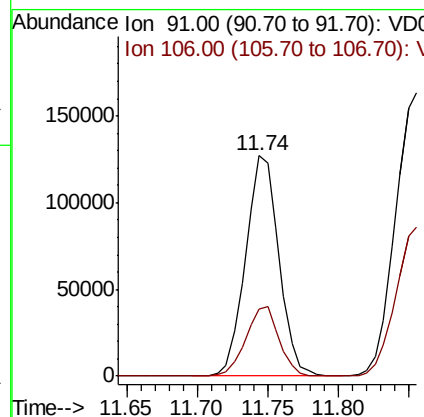
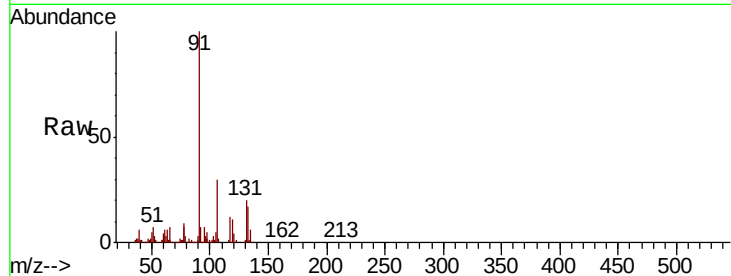
#67
Ethyl Benzene
Concen: 21.484 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.6	37.0

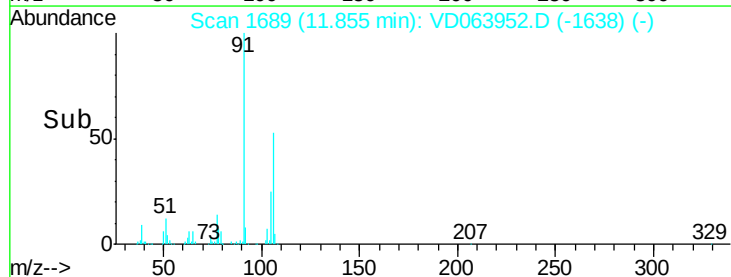
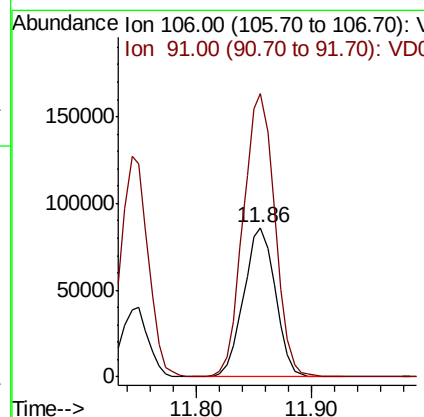
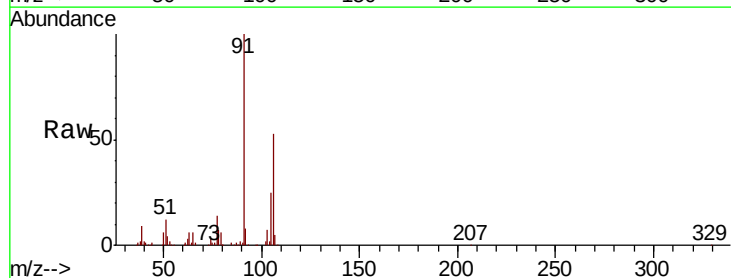
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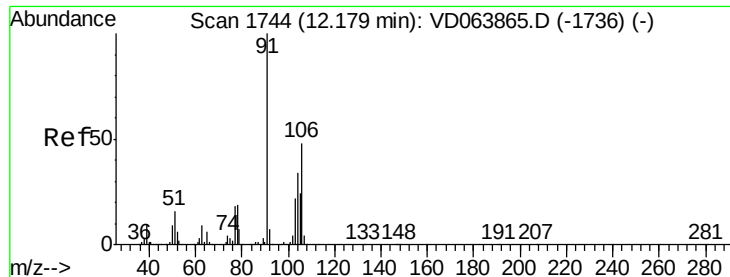
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#68
m/p-Xylenes
Concen: 43.530 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	189.1	154.8	232.2





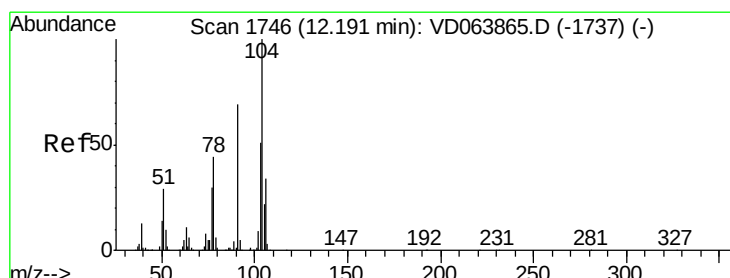
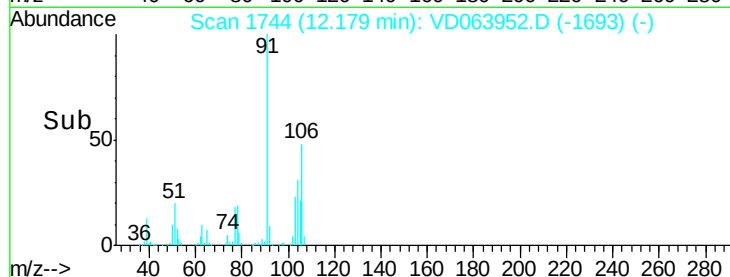
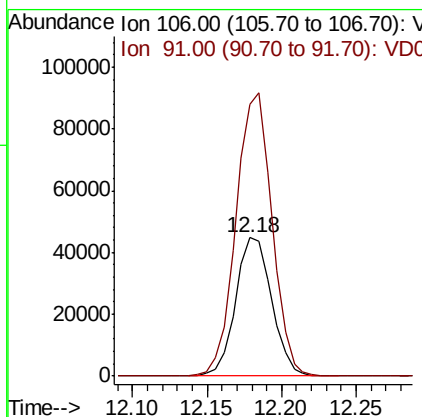
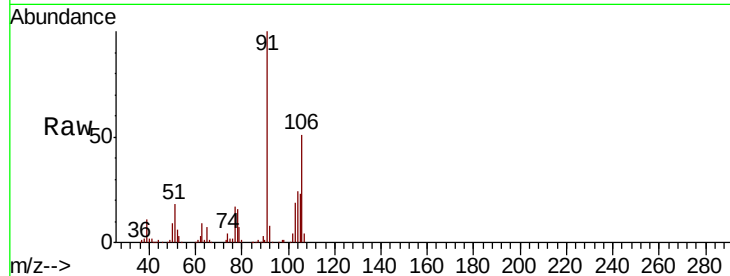
#69
o-Xylene
Concen: 20.785 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion:106 Resp: 75058
Ion Ratio Lower Upper
106 100
91 204.9 103.9 311.7

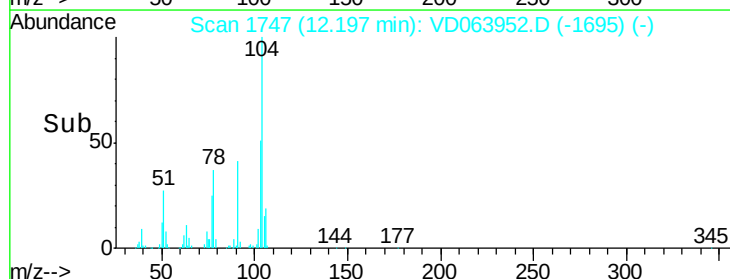
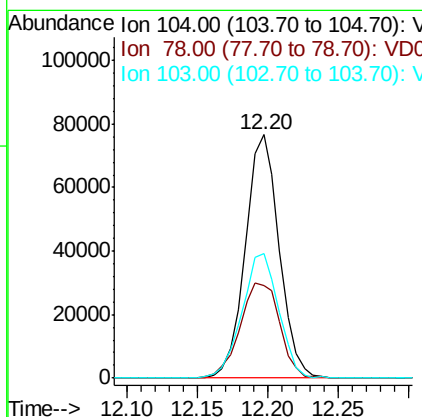
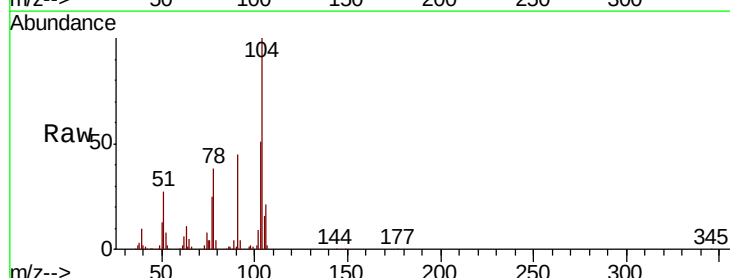
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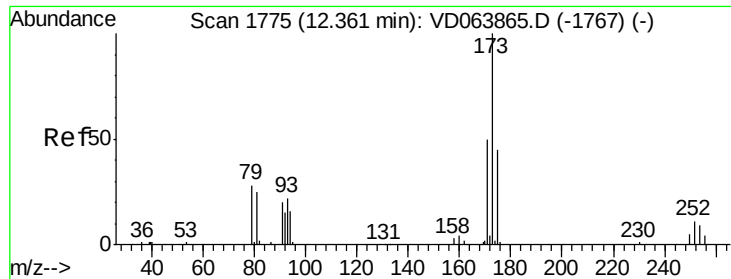
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#70
Styrene
Concen: 21.047 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion:104 Resp: 128660
Ion Ratio Lower Upper
104 100
78 46.0 37.0 55.4
103 55.8 44.2 66.4





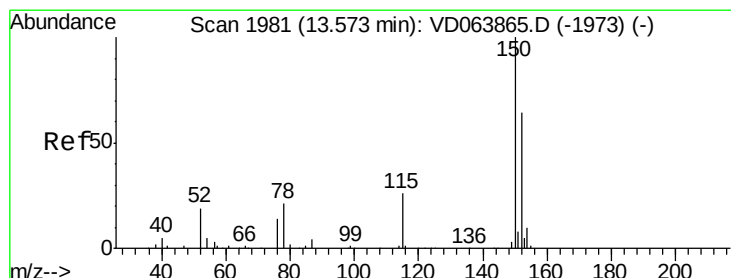
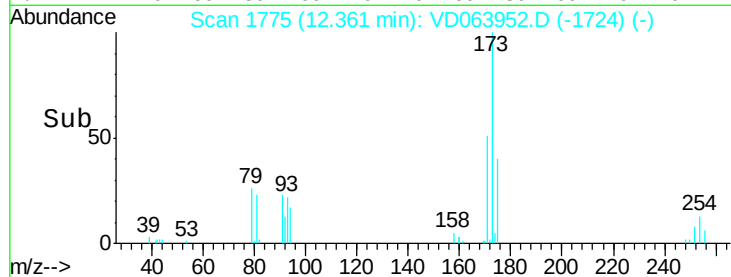
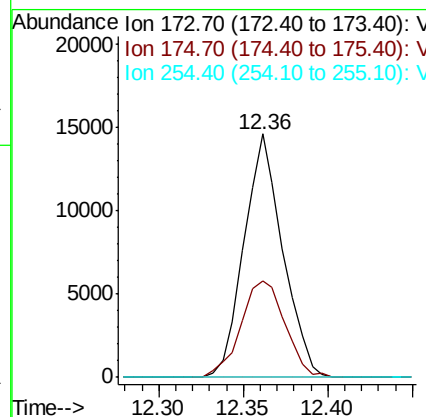
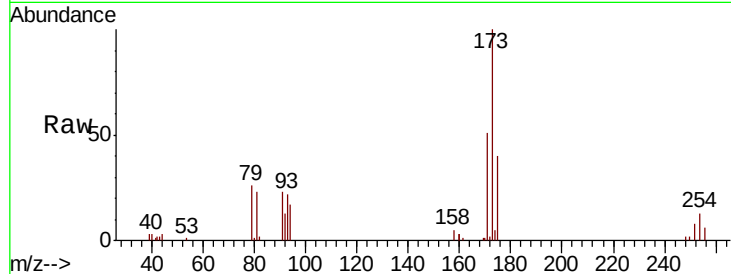
#71
Bromoform
Concen: 21.602 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.4	24.6	74.0
254	0.0	0.0	0.0

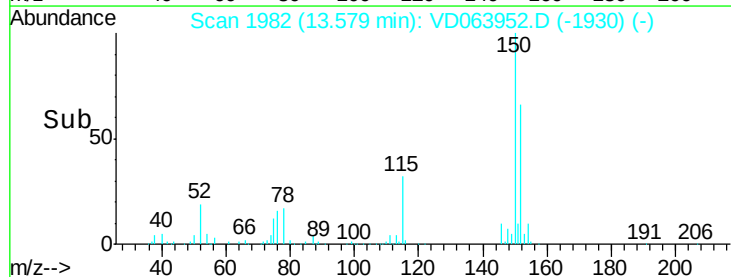
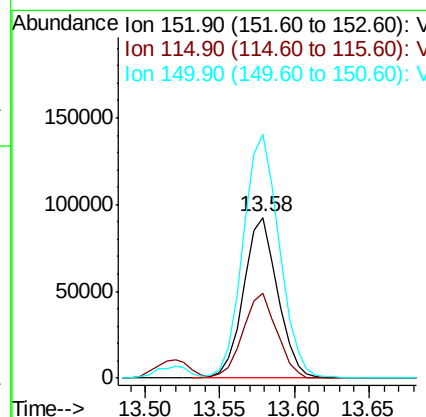
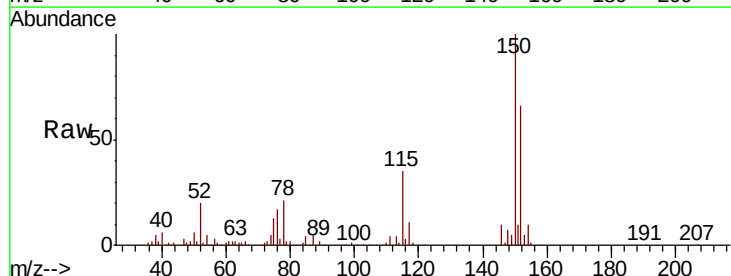
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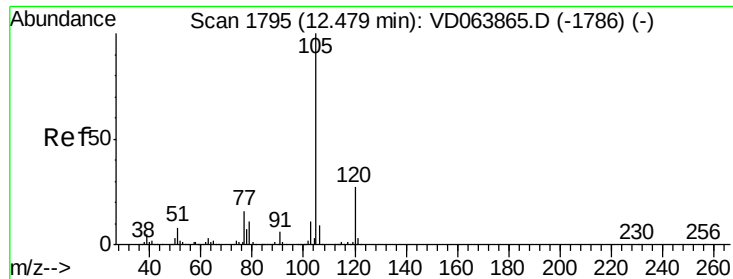
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	25.9	77.7
150	161.5	0.0	344.2





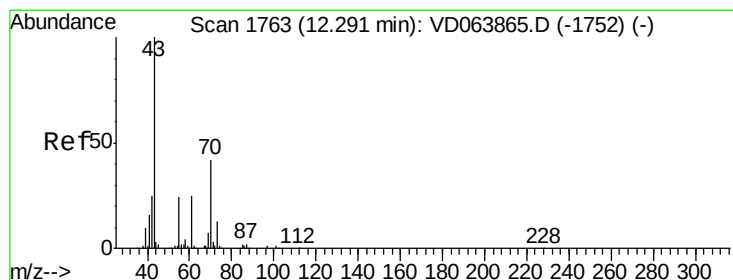
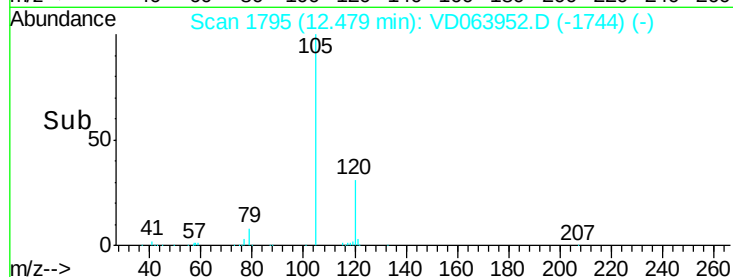
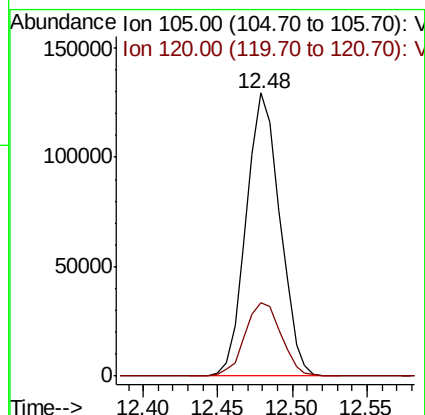
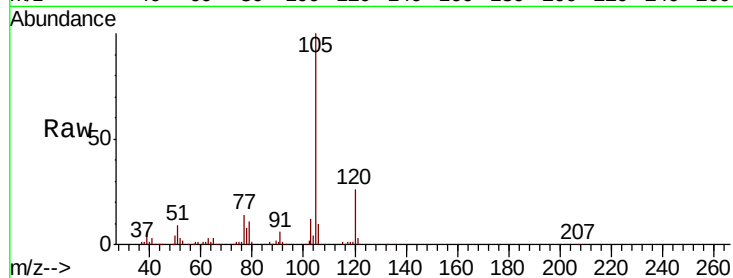
#73
Isopropylbenzene
Concen: 20.573 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.3	39.8

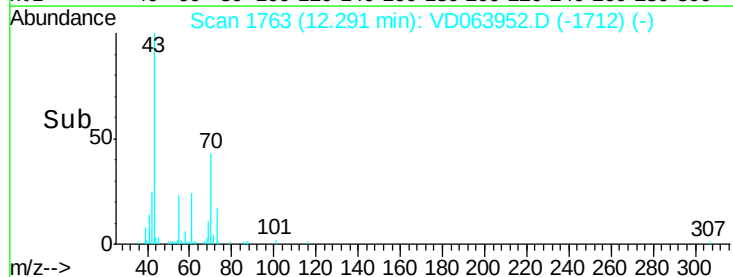
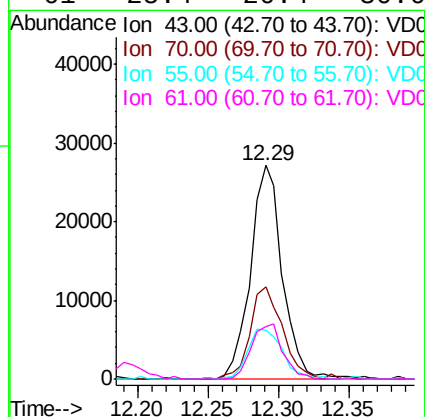
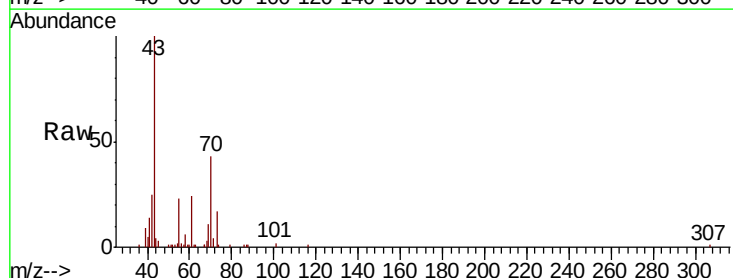
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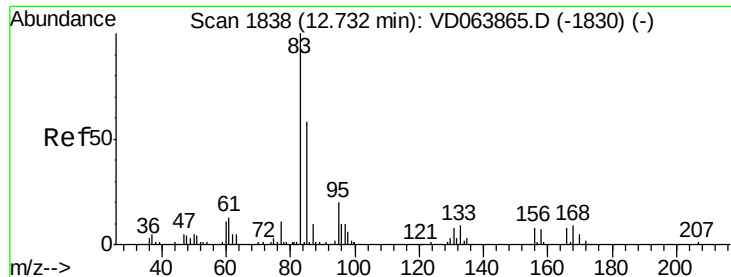
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#74
N-ethyl acetate
Concen: 20.269 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	35.8	53.6
55	25.9	19.4	29.0
61	25.4	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.978 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

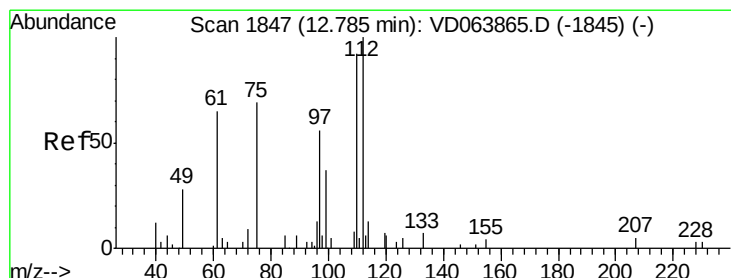
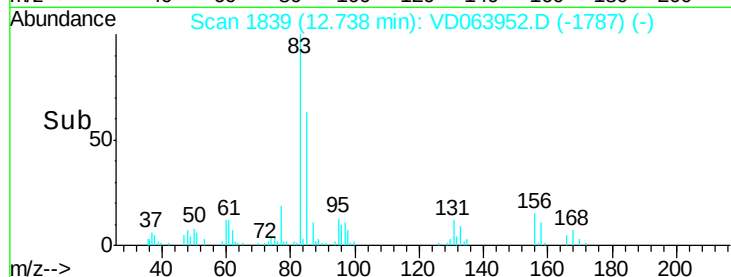
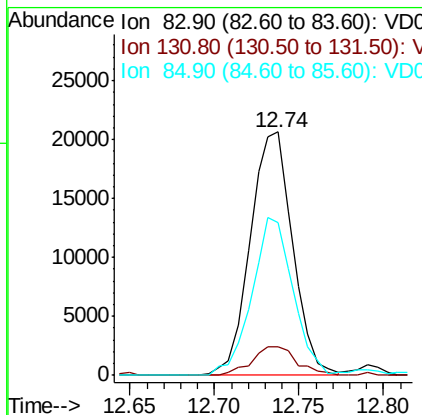
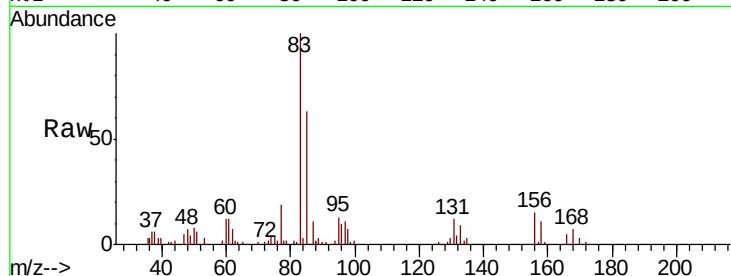
ClientSampleId :

VD1014SBS01

Tot Ion:	83	Resp:	36028
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.6	16.8
85	63.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 23.377 ug/l m

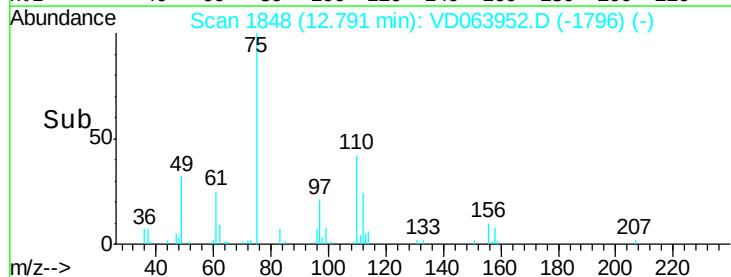
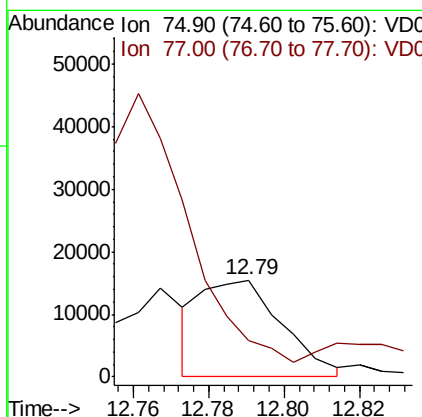
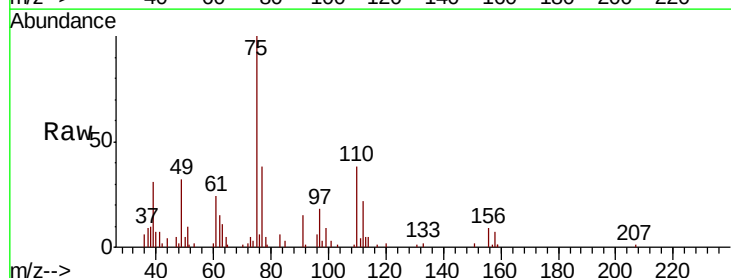
RT: 12.79 min Scan# 1848

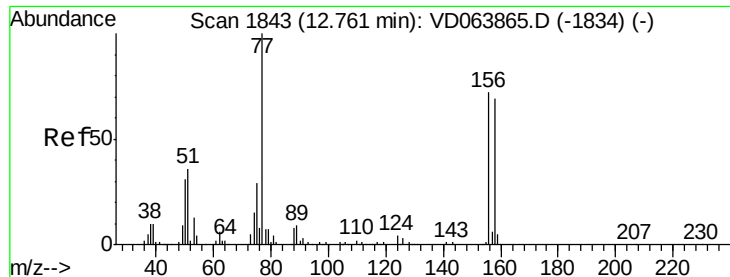
Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	75	Resp:	22987
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.386 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

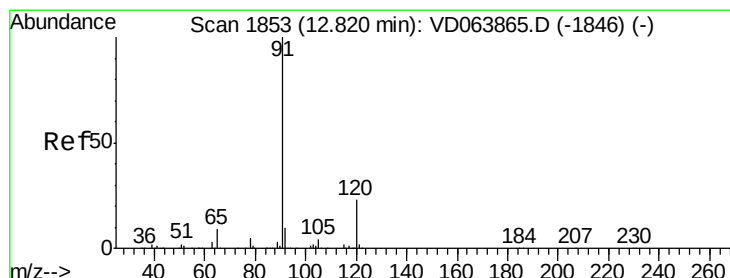
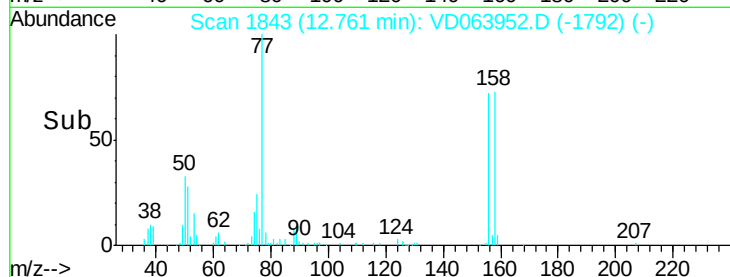
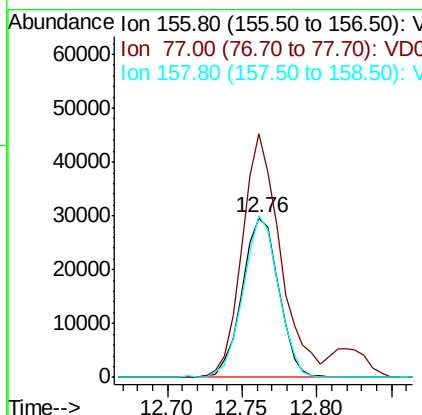
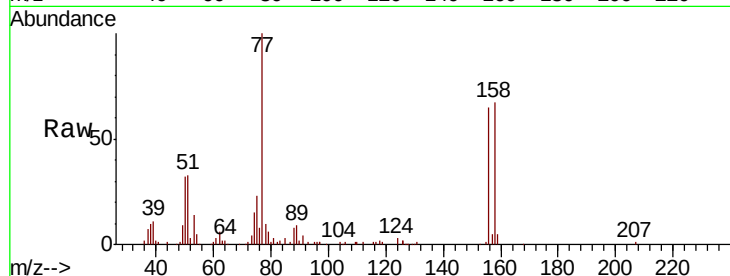
ClientSampleId :

VD1014SBS01

Tot Ion:	156	Resp:	50129
Ion	Ratio	Lower	Upper
156	100		
77	159.6	80.3	241.0
158	97.5	47.4	142.2

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#78

n-propylbenzene

Concen: 21.696 ug/l

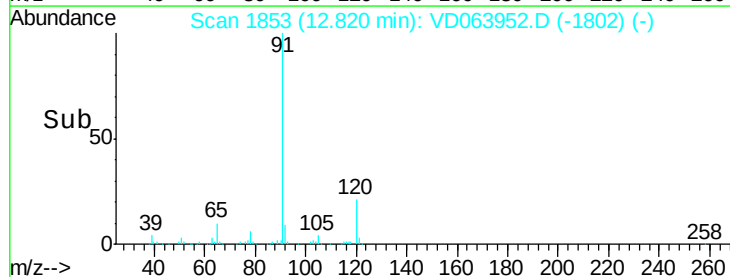
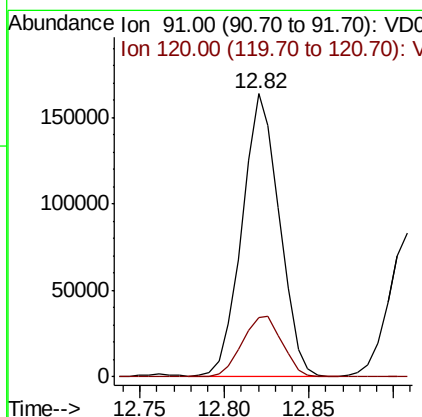
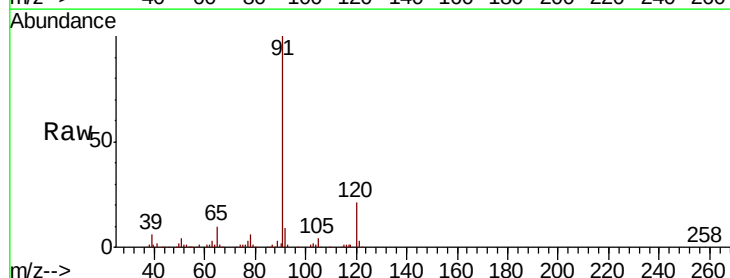
RT: 12.82 min Scan# 1853

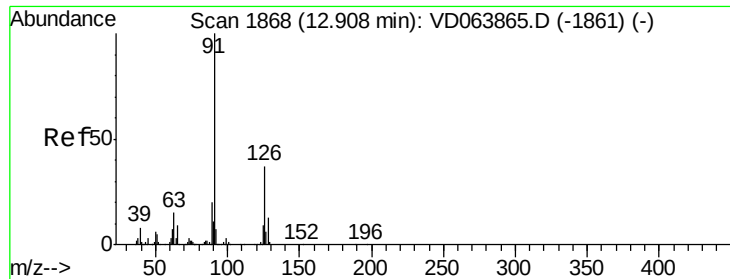
Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	91	Resp:	251346
Ion	Ratio	Lower	Upper
91	100		
120	23.2	12.0	36.0





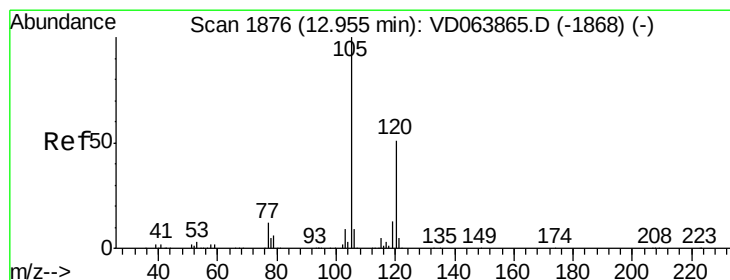
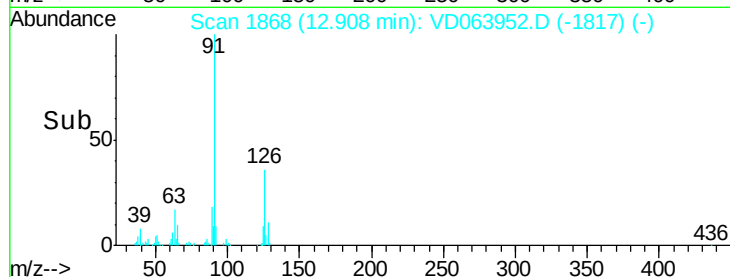
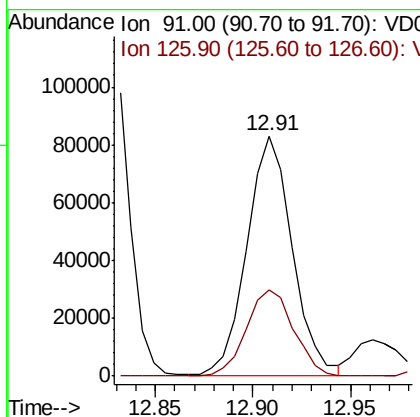
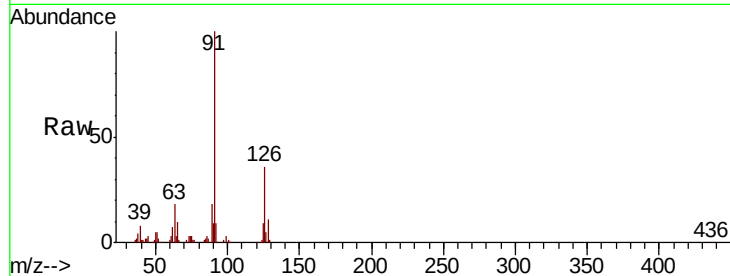
#79
 2-Chlorotoluene
 Concen: 20.887 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	37.6	18.4	55.2

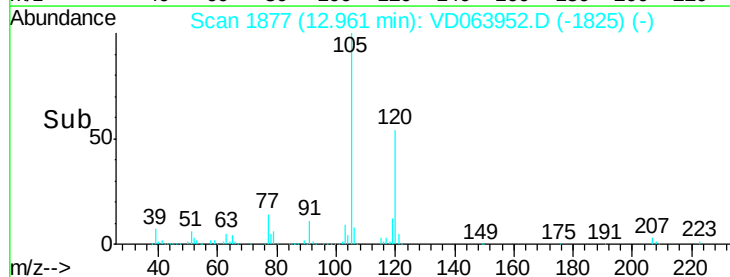
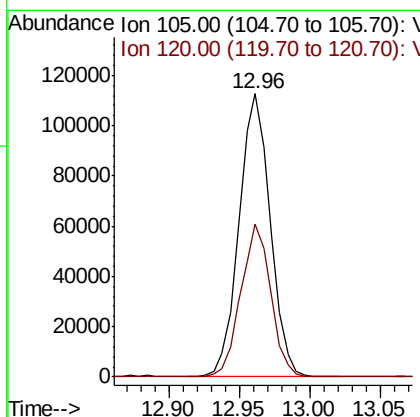
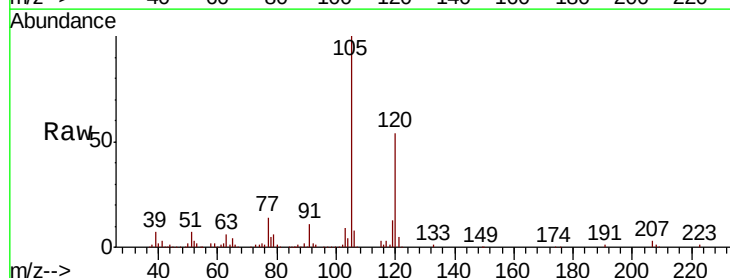
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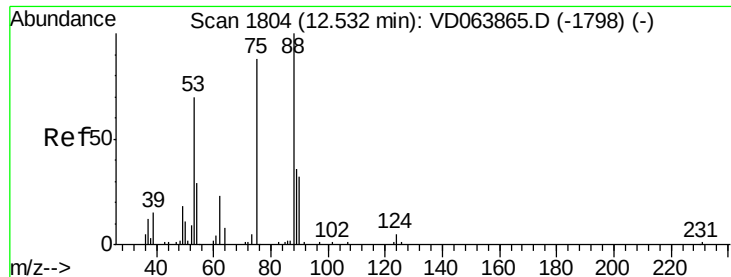
MMDadoda
 10/16/2019 12:54:28 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.129 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.8	25.9	77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.685 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 75 Resp: 11494

Ion Ratio Lower Upper

75 100

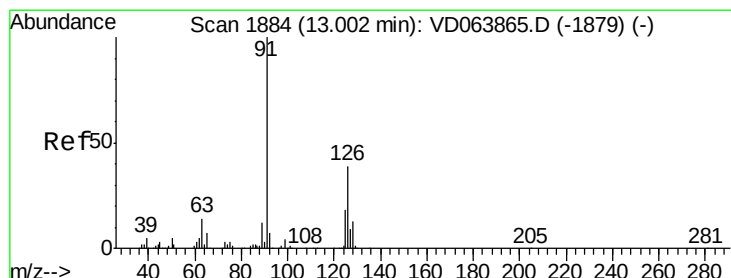
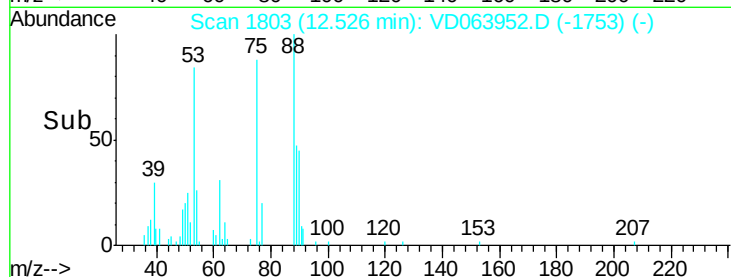
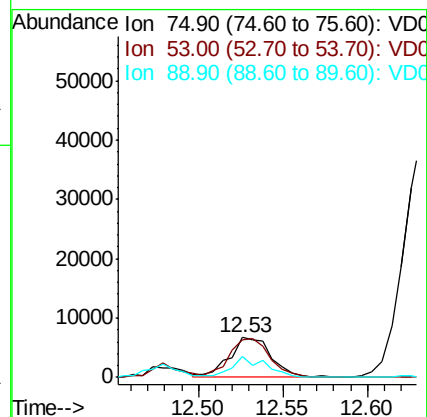
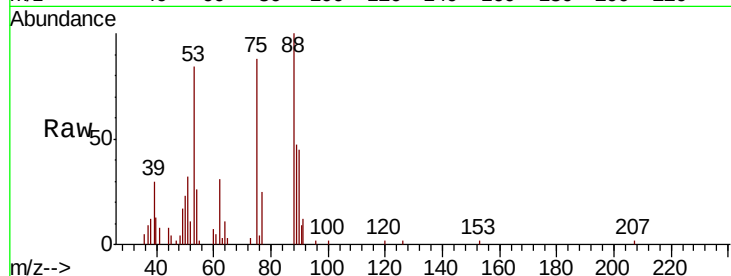
53 94.0 75.0 112.6

89 42.1 38.2 57.4

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#82

4-Chlorotoluene

Concen: 20.815 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063952.D

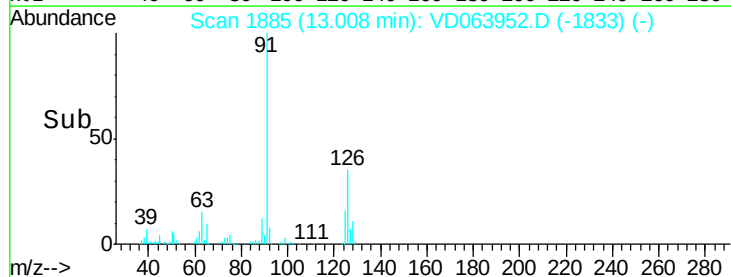
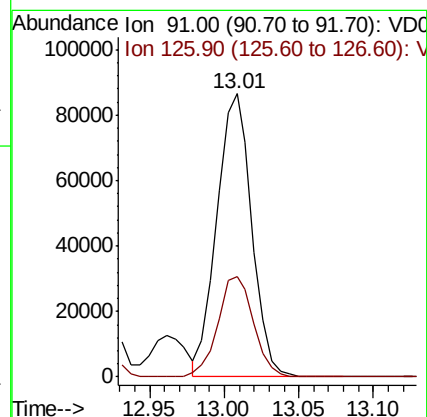
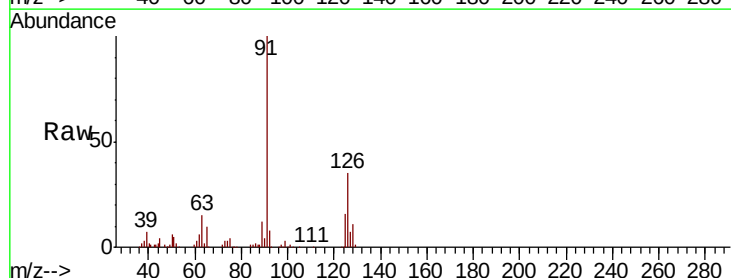
Acq: 14 Oct 2019 13:34

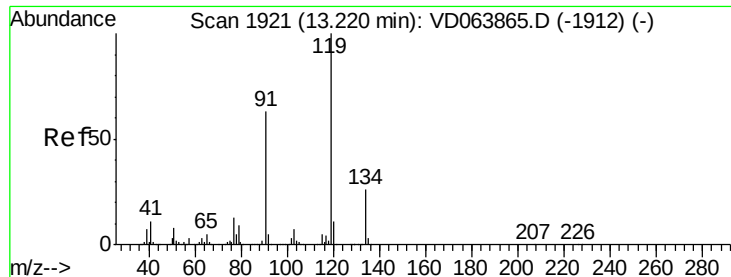
Tgt Ion: 91 Resp: 141048

Ion Ratio Lower Upper

91 100

126 36.6 18.6 55.8





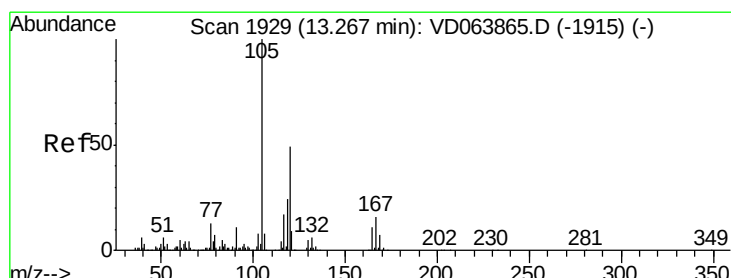
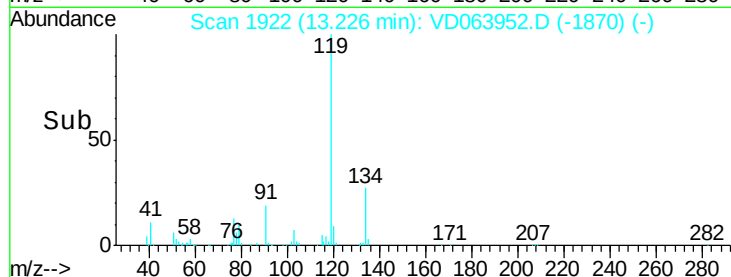
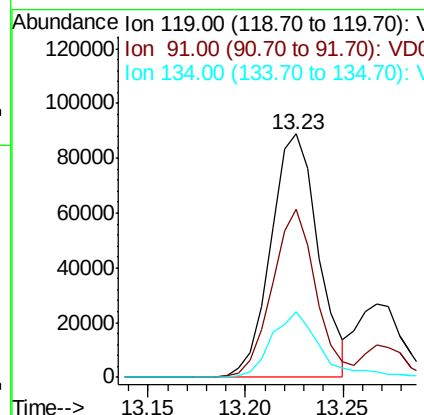
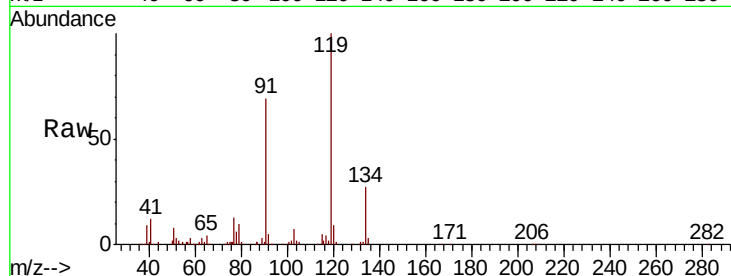
#83
tert-Butylbenzene
Concen: 20.346 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.0	90.0
134	28.0	13.0	38.9

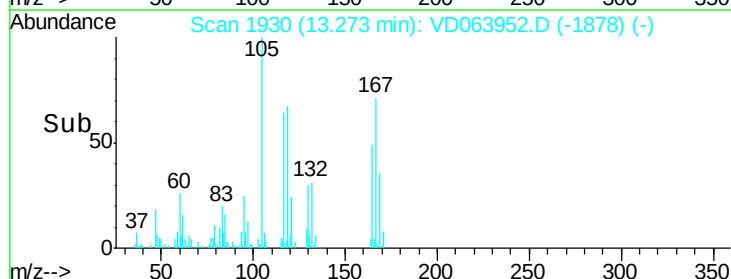
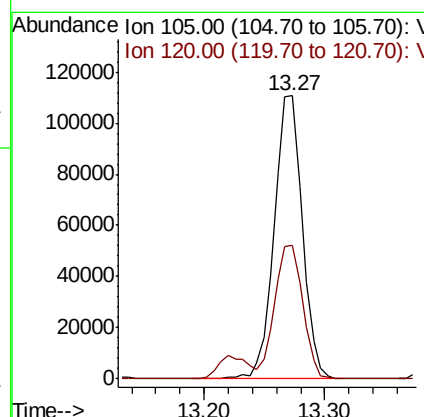
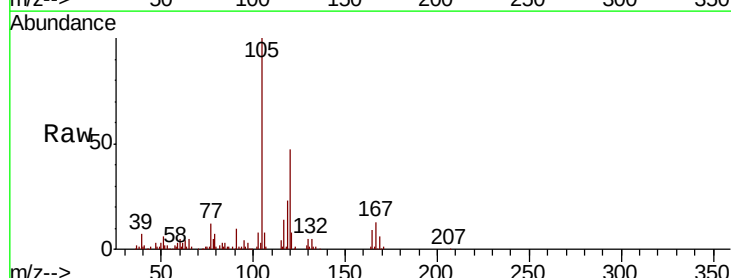
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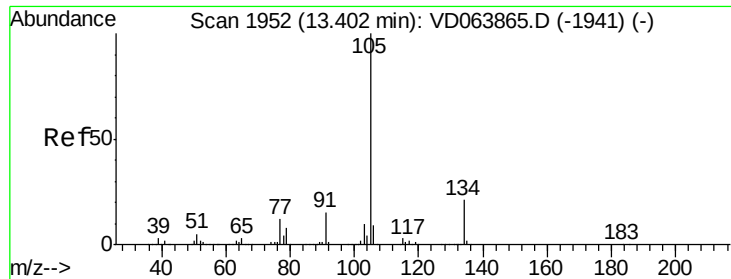
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#84
1,2,4-Trimethylbenzene
Concen: 20.866 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 21.968 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion:105 Resp: 217399

Ion Ratio Lower Upper

105 100

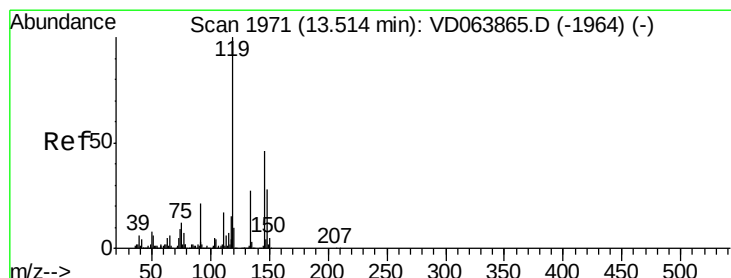
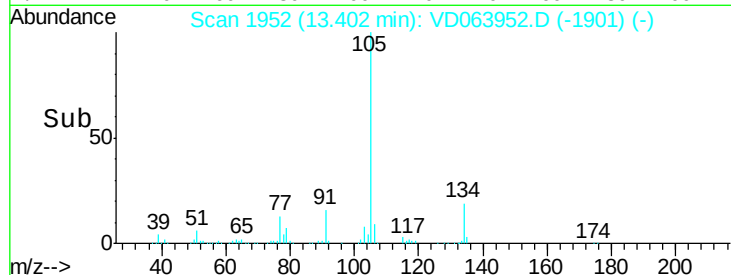
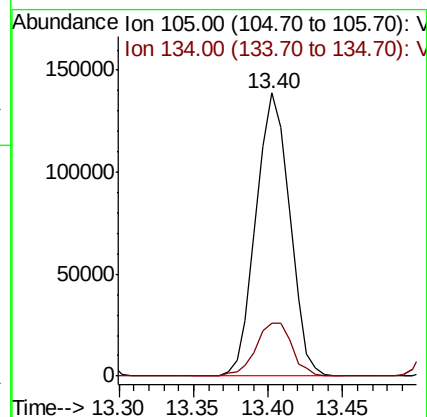
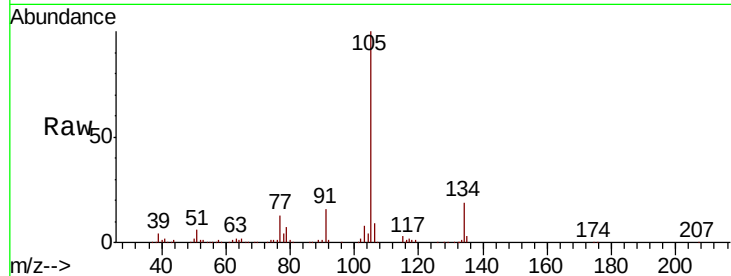
134 20.0 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 21.396 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

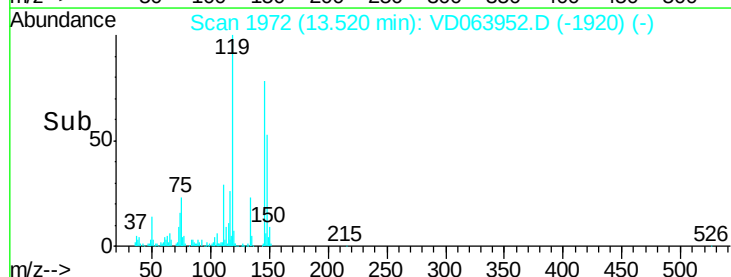
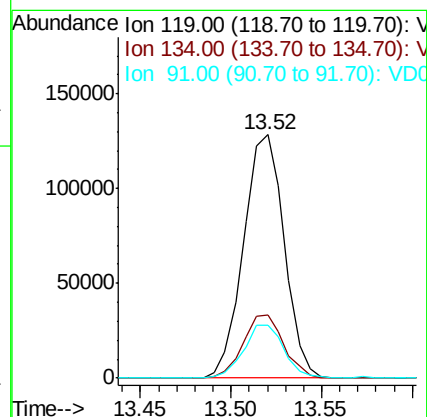
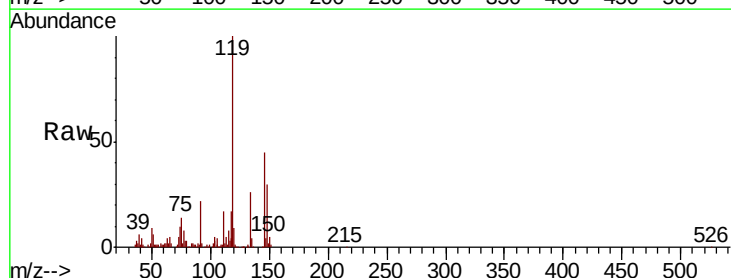
Tgt Ion:119 Resp: 200365

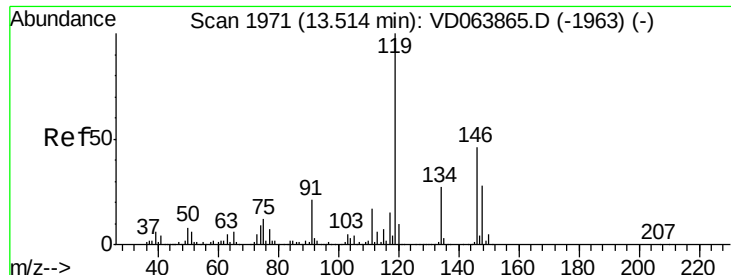
Ion Ratio Lower Upper

119 100

134 26.1 13.9 41.6

91 21.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.792 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

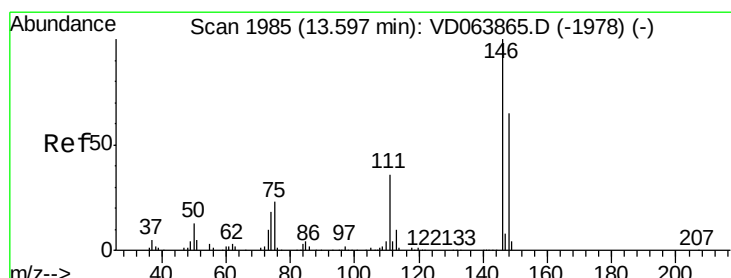
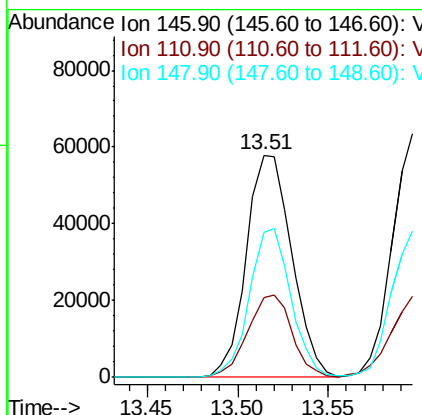
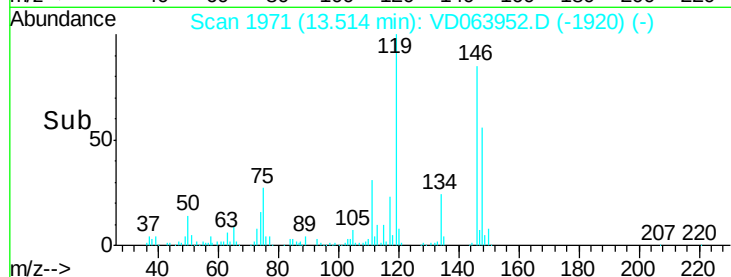
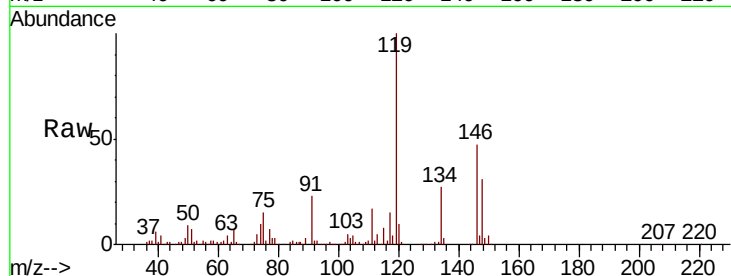
Instrument :
MSVOA_D

ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.3	54.9
148	61.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 21.377 ug/l

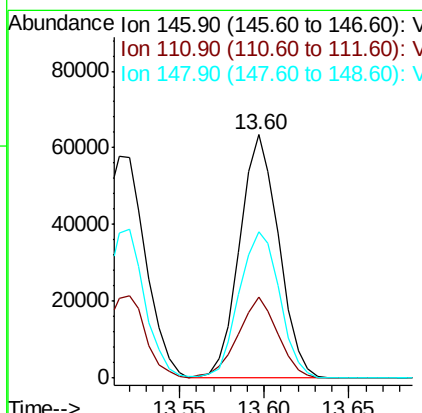
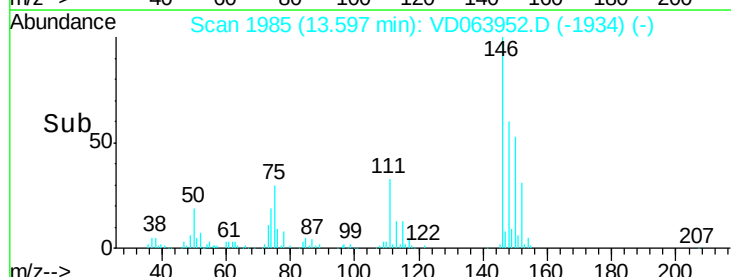
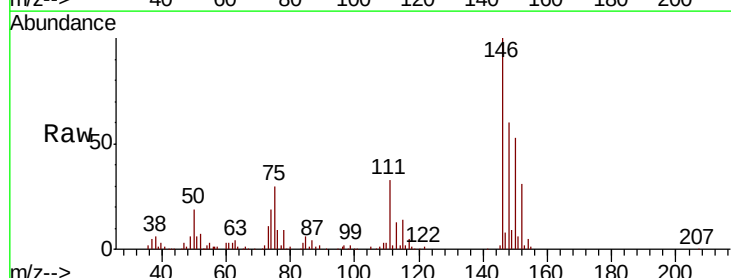
RT: 13.60 min Scan# 1985

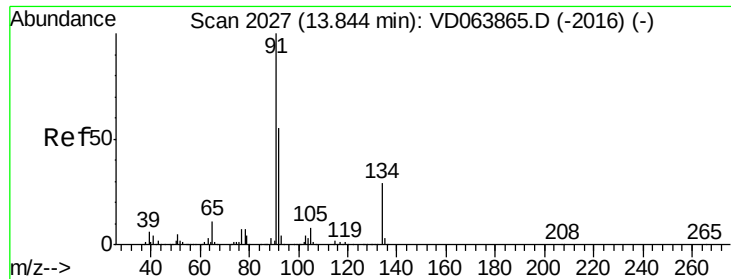
Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	18.6	56.0
148	62.3	32.6	98.0





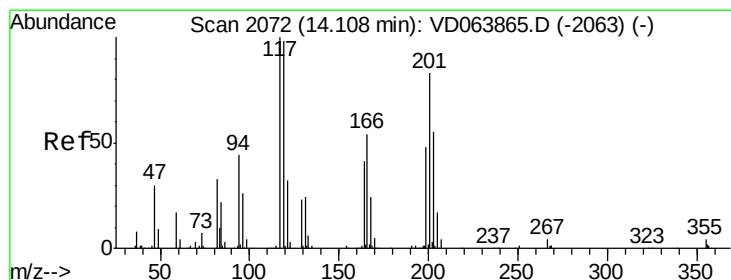
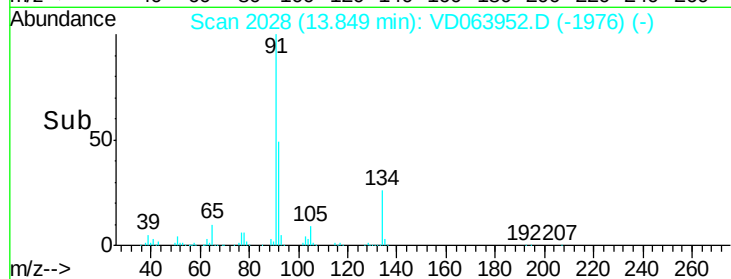
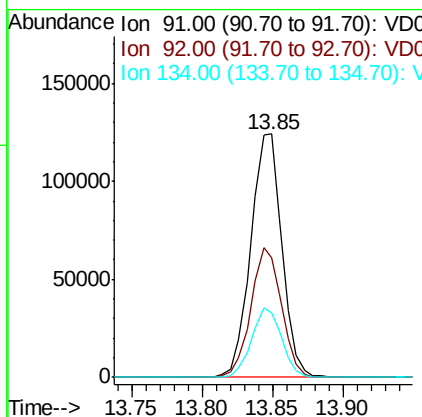
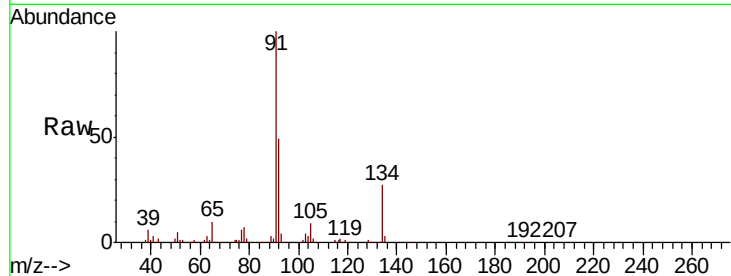
#89
n-Butylbenzene
Concen: 22.131 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.3
134	27.4	14.4	43.0

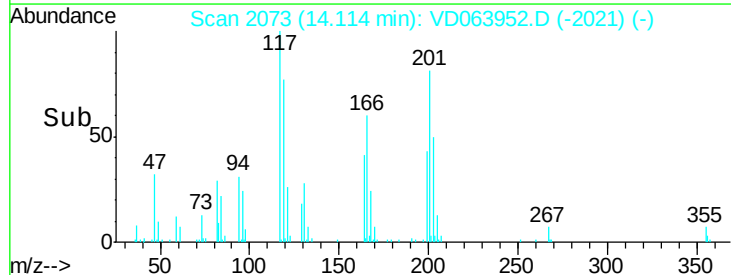
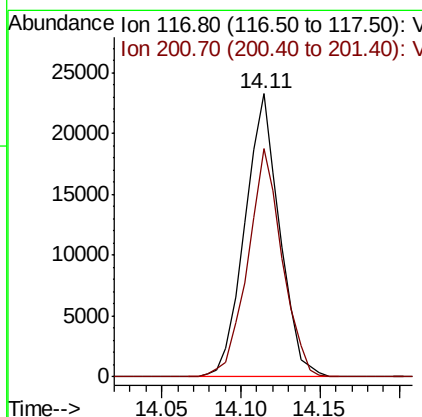
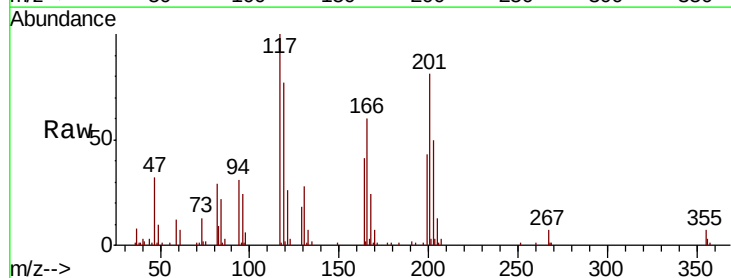
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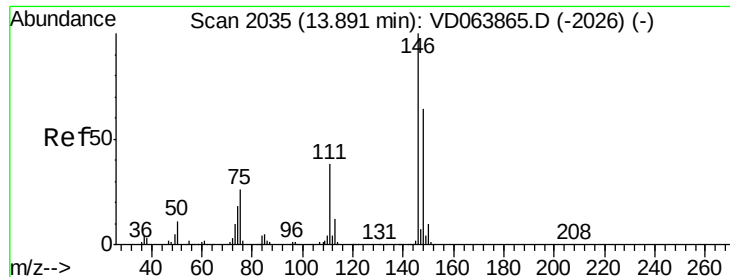
MMDadoda
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#90
Hexachloroethane
Concen: 20.990 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.6	121.7





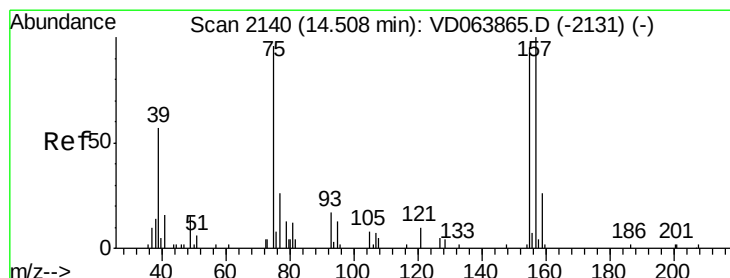
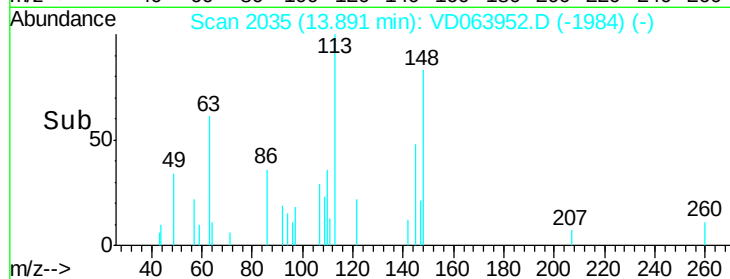
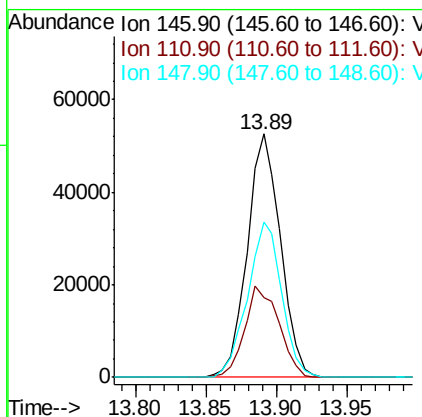
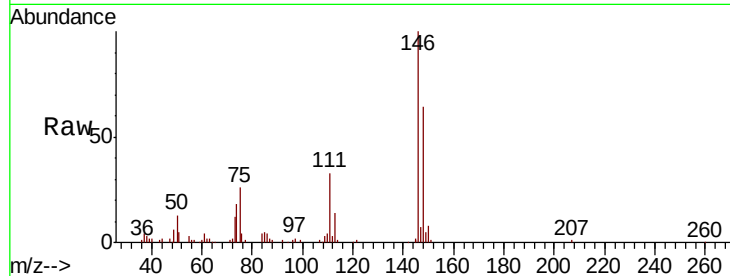
#91
 1,2-Dichlorobenzene
 Concen: 20.776 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.6
148	65.4	31.6	95.0

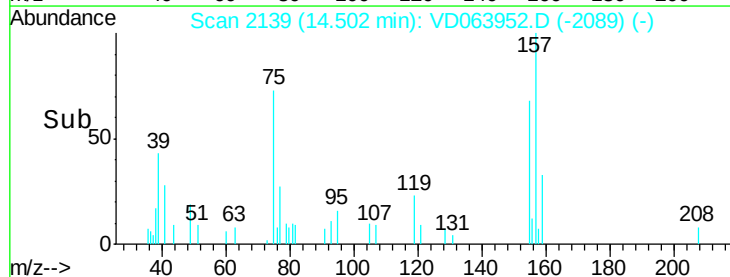
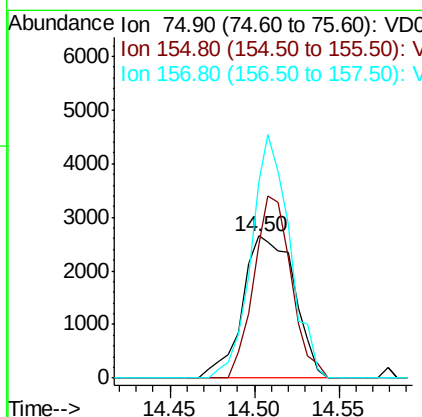
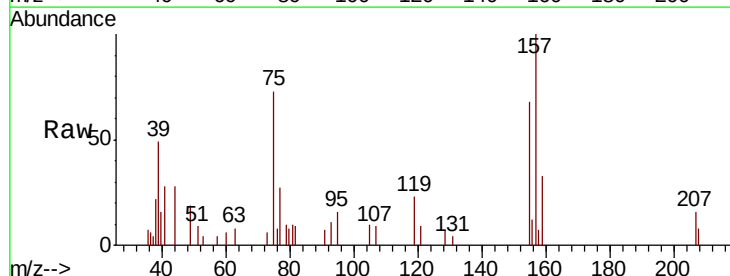
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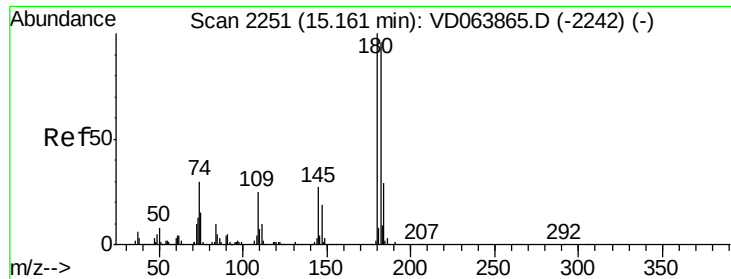
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.640 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	43.9	131.6
157	127.2	56.0	167.9





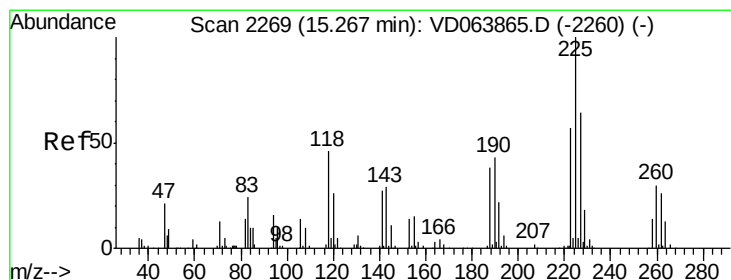
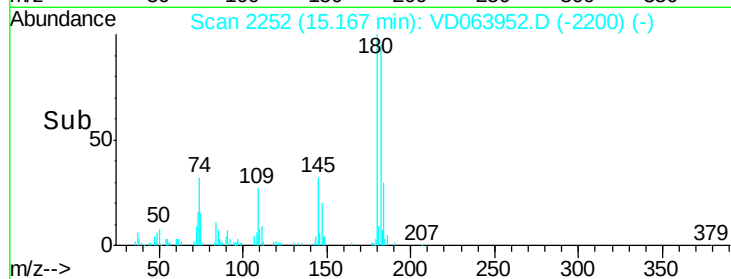
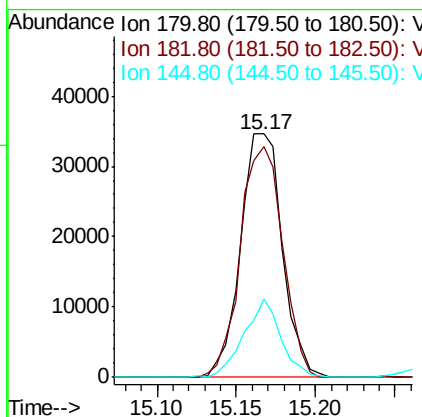
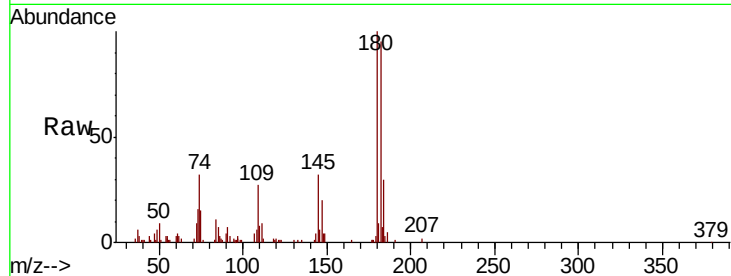
#93
 1,2,4-Trichlorobenzene
 Concen: 19.643 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	28.4	13.9	41.7

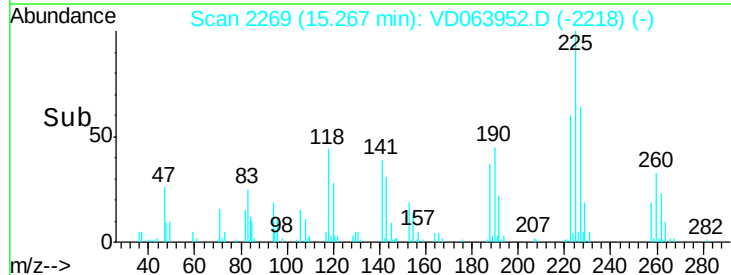
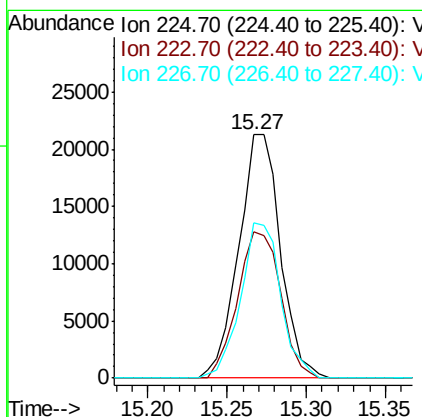
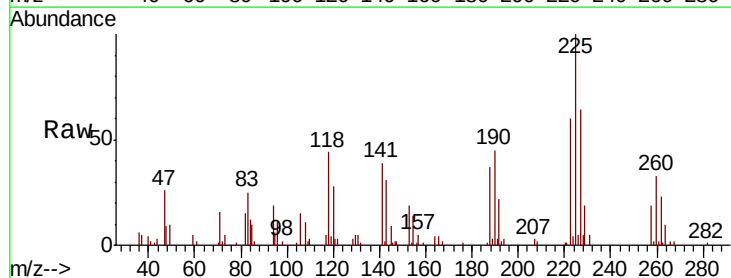
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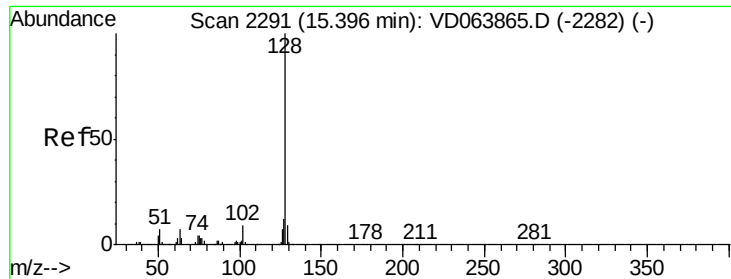
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 21.756 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	29.5	88.6
227	61.4	30.8	92.4





#95

Naphthalene

Concen: 19.710 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

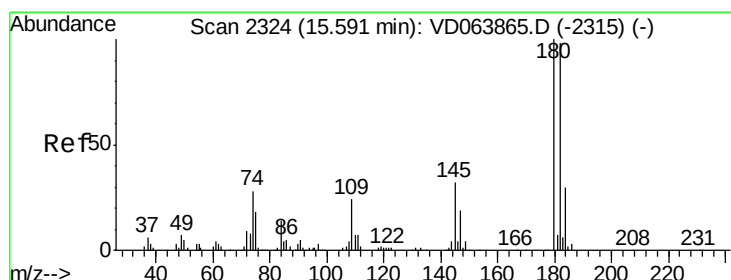
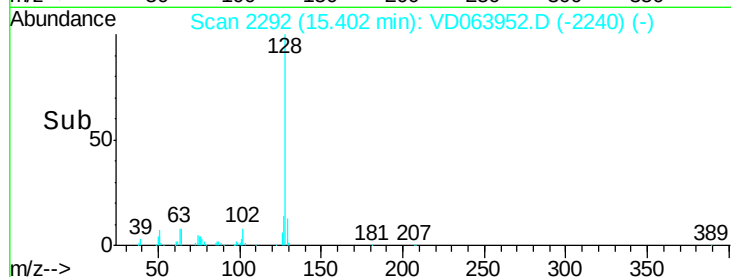
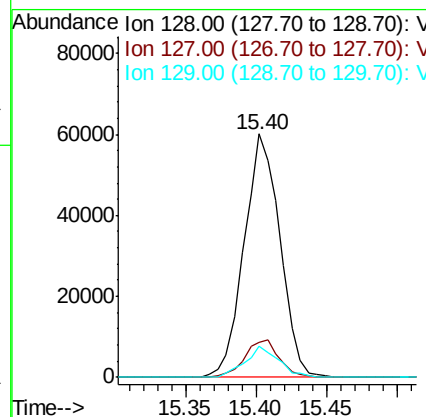
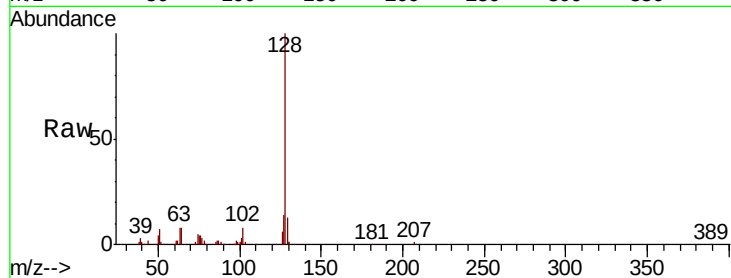
ClientSampleId :

VD1014SBS01

Tot Ion:	128	Resp:	107030
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.6	16.0
129	12.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.267 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	180	Resp:	53706
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.0	141.0
145	31.6	15.3	45.9

