

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064881.D
 Acq On : 20 Jan 2020 10:50
 Operator : VA/SY
 Sample : VD0120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:21 AM

Quant Time: Jan 21 04:31:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	161168	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.92	113	170075	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.34	98	646765	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.64	95	199790	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58946	20.373	ug/l	99
3) Chloromethane	2.21	50	87195	21.548	ug/l	95
4) Vinyl Chloride	2.36	62	103034	20.883	ug/l	97
5) Bromomethane	2.77	94	71303	19.876	ug/l	97
6) Chloroethane	2.93	64	70901	21.446	ug/l	97
7) Trichlorofluoromethane	3.27	101	174056	20.952	ug/l	96
8) Diethyl Ether	3.70	74	31711	19.222	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	80127	23.289	ug/l	98
10) Methyl Iodide	4.30	142	79034	21.386	ug/l	99
11) Tert butyl alcohol	5.24	59	20244	107.595	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	76213	23.267	ug/l	90
13) Acrolein	3.92	56	14561	55.531	ug/l	88
14) Allyl chloride	4.71	41	114605	22.441	ug/l	98
15) Acrylonitrile	5.43	53	64568	93.964	ug/l	99
16) Acetone	4.17	43	67202	92.934	ug/l	96
17) Carbon Disulfide	4.40	76	223893	21.139	ug/l	100
18) Methyl Acetate	4.72	43	32094	17.364	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	142193	19.544	ug/l	94
20) Methylene Chloride	4.97	84	100569	27.781	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	85124	22.819	ug/l	99
22) Diisopropyl ether	6.37	45	218311	21.432	ug/l	95
23) Vinyl Acetate	6.31	43	558371	96.633	ug/l	98
24) 1,1-Dichloroethane	6.27	63	142619	23.322	ug/l	97
25) 2-Butanone	7.23	43	82509	91.431	ug/l	92
26) 2,2-Dichloropropane	7.21	77	135194	23.778	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	88628	22.015	ug/l	97
28) Bromochloromethane	7.56	49	47474	19.971	ug/l	96
29) Tetrahydrofuran	7.57	42	48282	86.035	ug/l	100
30) Chloroform	7.72	83	146202	22.788	ug/l	98
31) Cyclohexane	7.98	56	135108	22.072	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	141913	23.550	ug/l	98
36) 1,1-Dichloropropene	8.11	75	119015	23.177	ug/l	99
37) Ethyl Acetate	7.30	43	37275	18.477	ug/l	98
38) Carbon Tetrachloride	8.10	117	132041	24.115	ug/l	97

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 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	140301	22.558	ug/l	94
40) Benzene	8.36	78	318881	22.747	ug/l	99
41) Methacrylonitrile	7.53	41	23514	20.089	ug/l	99
42) 1,2-Dichloroethane	8.43	62	87504	21.601	ug/l	96
43) Isopropyl Acetate	8.46	43	73426	18.286	ug/l	96
44) Trichloroethene	9.11	130	93158	22.621	ug/l	99
45) 1,2-Dichloropropane	9.39	63	76945	22.989	ug/l	100
46) Dibromomethane	9.48	93	38346	20.549	ug/l	100
47) Bromodichloromethane	9.67	83	111215	22.397	ug/l	96
48) Methyl methacrylate	9.46	41	36615	19.366	ug/l	98
49) 1,4-Dioxane	9.47	88	7388	343.349	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	176047	88.702	ug/l	100
52) Toluene	10.41	92	208233	22.641	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	95275	20.580	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	116987	21.430	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	50398	20.040	ug/l	97
56) Ethyl methacrylate	10.67	69	56219	17.900	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89100	20.577	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	119774	100.094	ug/l	100
59) 2-Hexanone	10.99	43	121886	90.483	ug/l	96
60) Dibromochloromethane	11.14	129	69825	20.078	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47378	19.100	ug/l	99
64) Tetrachloroethene	10.88	164	80754	23.022	ug/l	97
65) Chlorobenzene	11.67	112	217444	22.914	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	80019	22.368	ug/l	98
67) Ethyl Benzene	11.75	91	391734	22.743	ug/l	99
68) m/p-Xylenes	11.86	106	297864	44.804	ug/l	96
69) o-Xylene	12.19	106	129765	21.610	ug/l	99
70) Styrene	12.20	104	228218	21.652	ug/l	98
71) Bromoform	12.37	173	38822	19.029	ug/l #	94
73) Isopropylbenzene	12.48	105	370051	23.215	ug/l	99
74) N-amyl acetate	12.30	43	64348	18.884	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	49656	19.830	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	35046m	19.896	ug/l	
77) Bromobenzene	12.77	156	86575	22.104	ug/l	98
78) n-propylbenzene	12.83	91	442064	23.771	ug/l	99
79) 2-Chlorotoluene	12.91	91	243469	23.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	302779	23.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	15985	18.980	ug/l	93
82) 4-Chlorotoluene	13.01	91	252905	23.263	ug/l	100
83) tert-Butylbenzene	13.23	119	261496	23.001	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	300526	23.045	ug/l	100
85) sec-Butylbenzene	13.41	105	366682	23.526	ug/l	98
86) p-Isopropyltoluene	13.53	119	341553	22.918	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	167600	22.446	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163985	22.356	ug/l	99
89) n-Butylbenzene	13.86	91	316624	23.591	ug/l	98
90) Hexachloroethane	14.12	117	66042	23.198	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	139673	21.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7694	18.954	ug/l	89

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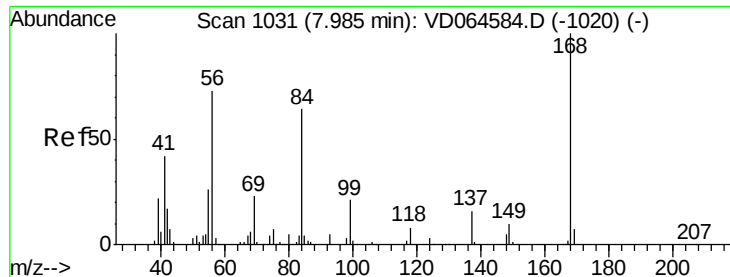
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97178	20.729	ug/l	99
94) Hexachlorobutadiene	15.28	225	65658	22.257	ug/l	98
95) Naphthalene	15.41	128	129272	17.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	80783	20.185	ug/l	98

(#) = 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: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion:168 Resp: 372310

Ion Ratio Lower Upper

168 100

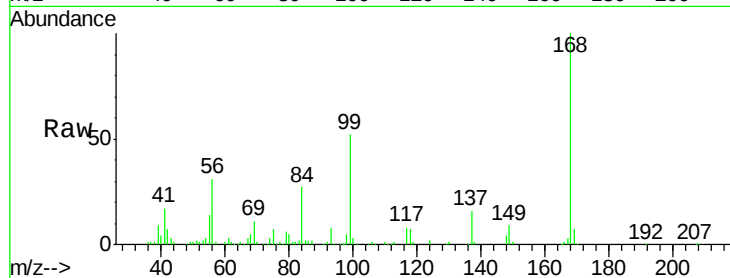
99 52.0 41.8 62.6

Manual Integrations

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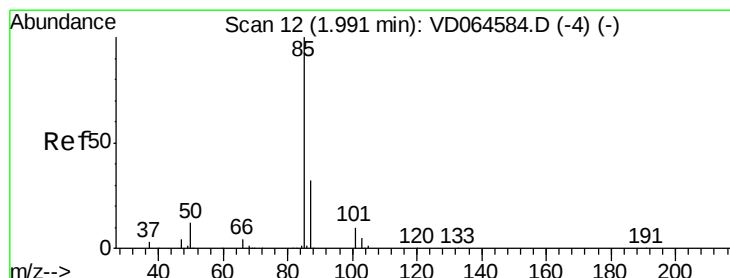
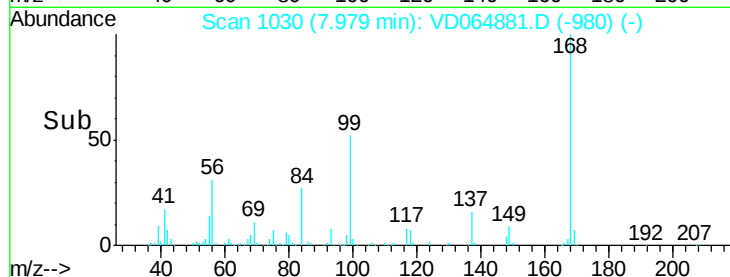
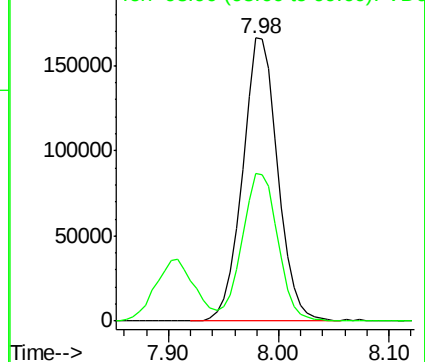
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.373 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064881.D

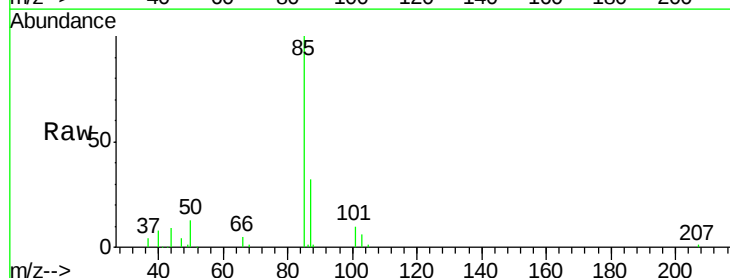
Acq: 20 Jan 2020 10:50

Tgt Ion: 85 Resp: 58946

Ion Ratio Lower Upper

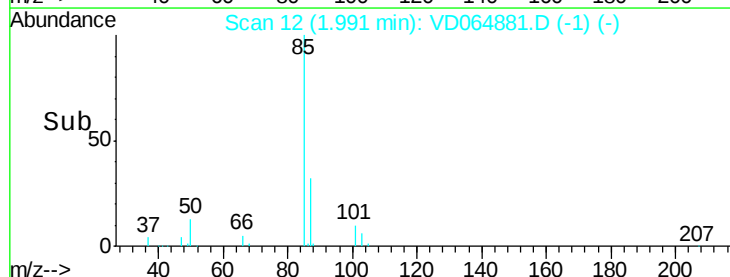
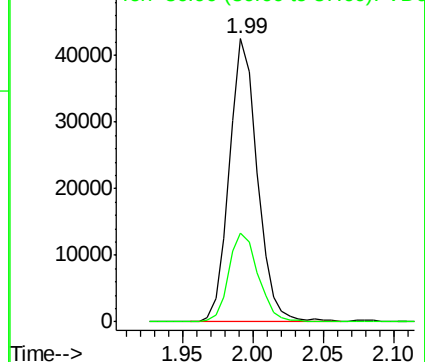
85 100

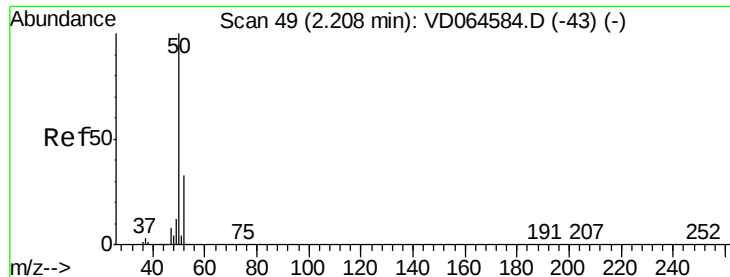
87 31.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.548 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion: 50 Resp: 87195

Ion Ratio Lower Upper

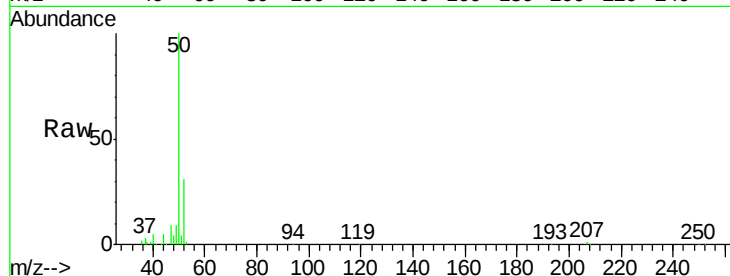
50 100

52 30.5 26.5 39.7

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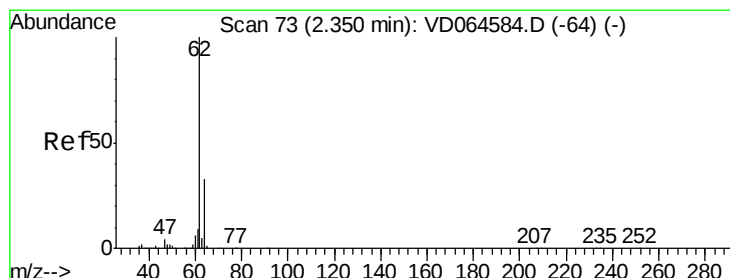
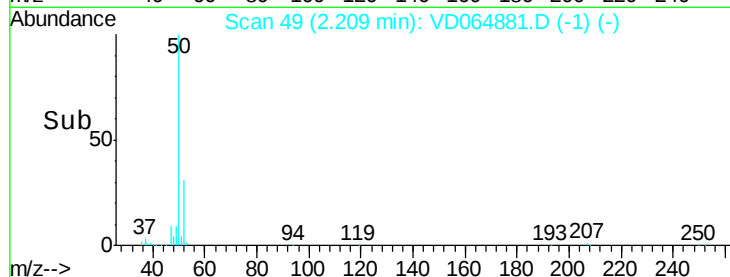
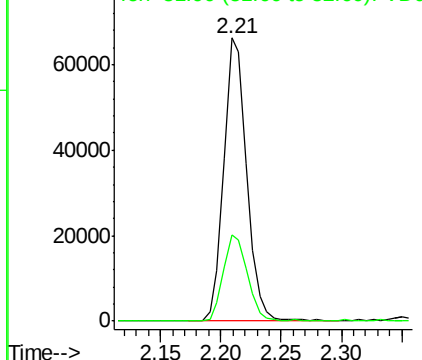
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.883 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064881.D

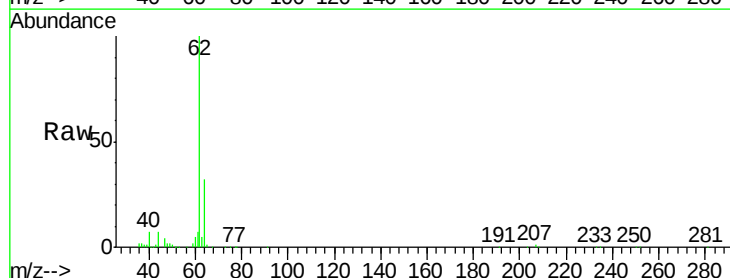
Acq: 20 Jan 2020 10:50

Tgt Ion: 62 Resp: 103034

Ion Ratio Lower Upper

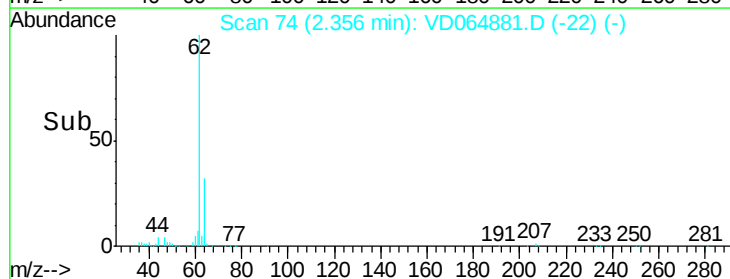
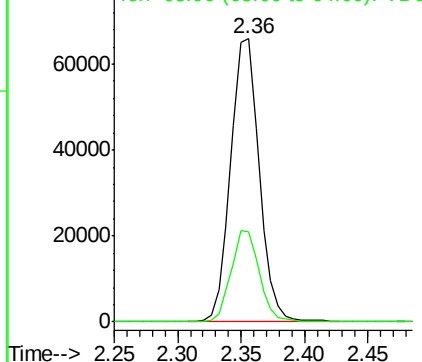
62 100

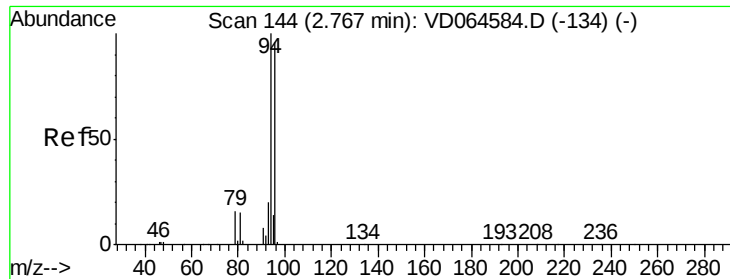
64 31.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.876 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion: 94 Resp: 71303

Ion Ratio Lower Upper

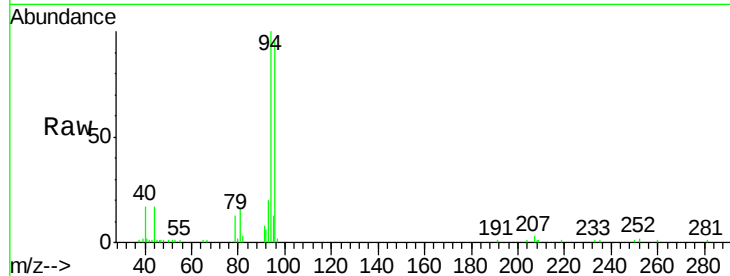
94 100

96 93.3 77.2 115.8

Manual Integrations
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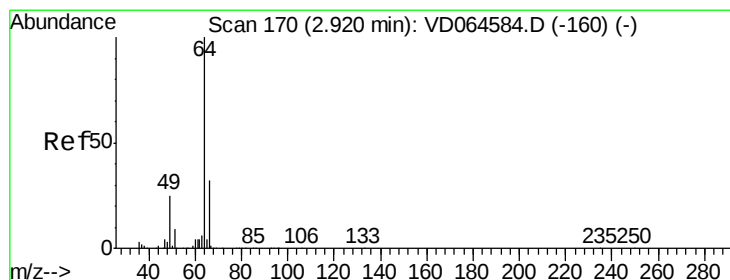
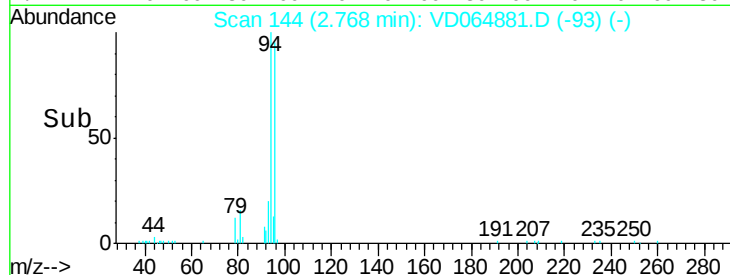
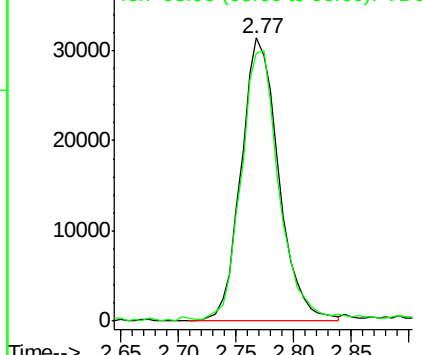
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.446 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064881.D

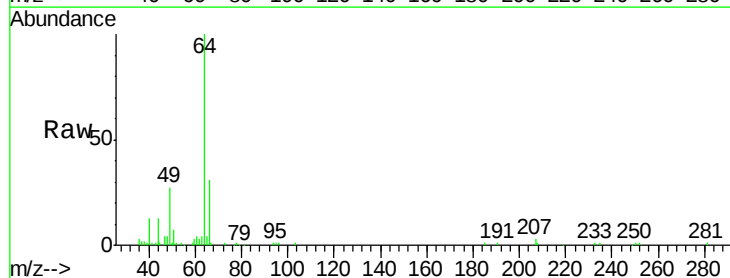
Acq: 20 Jan 2020 10:50

Tgt Ion: 64 Resp: 70901

Ion Ratio Lower Upper

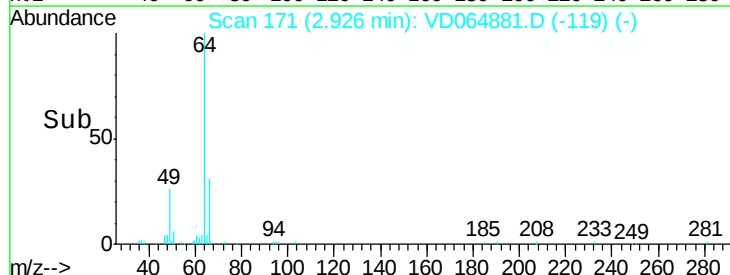
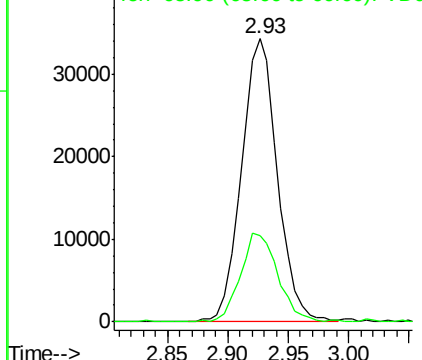
64 100

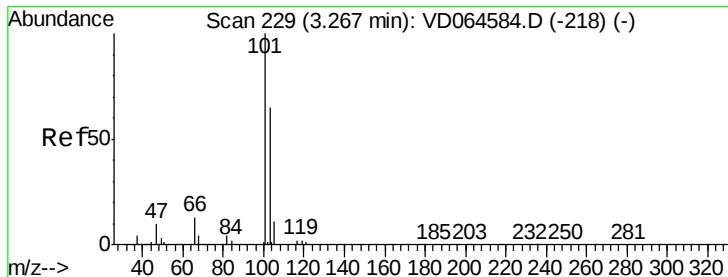
66 30.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

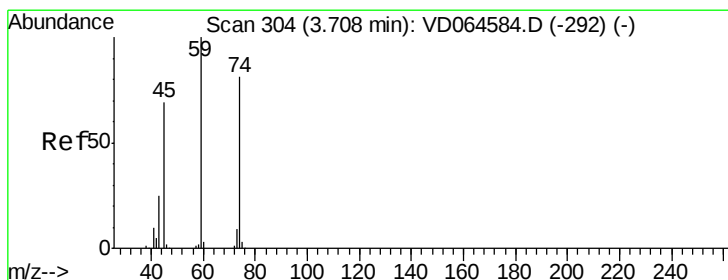
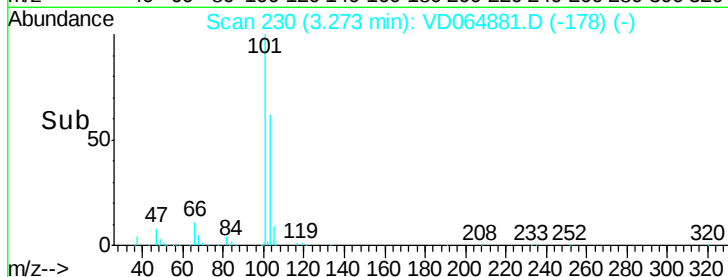
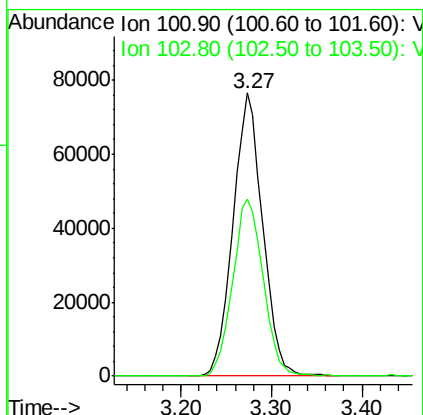
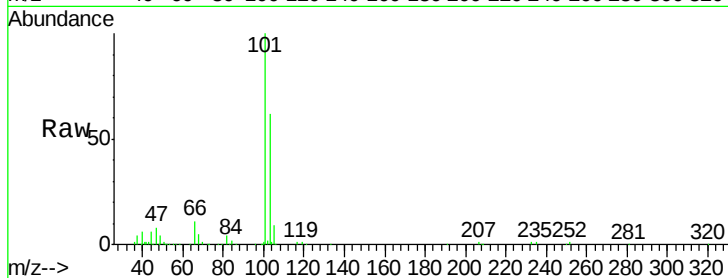
Trichlorofluoromethane
 Concen: 20.952 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	174056		
103	62.4	52.2	78.4	

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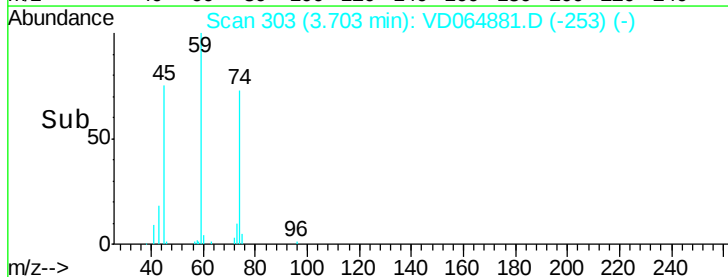
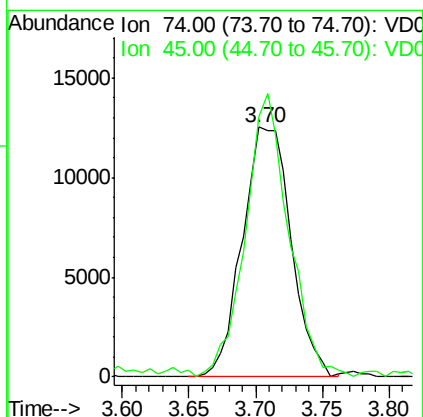
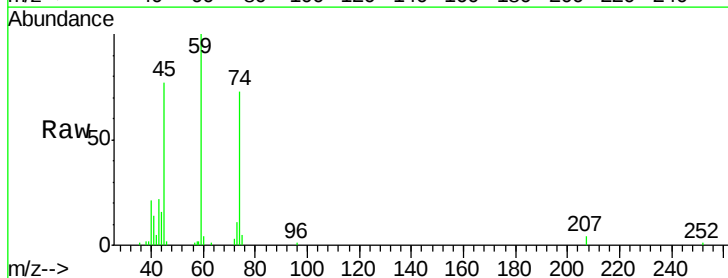
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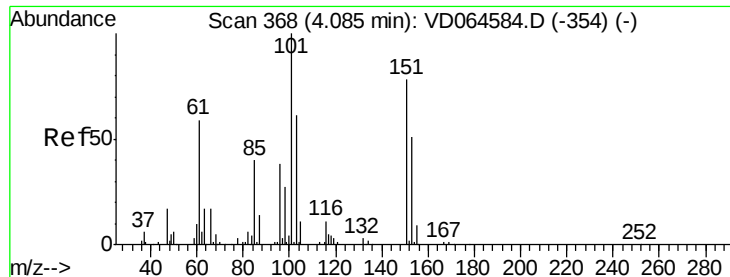


#8

Diethyl Ether
 Concen: 19.222 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	31711		
45	100.6	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.289 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

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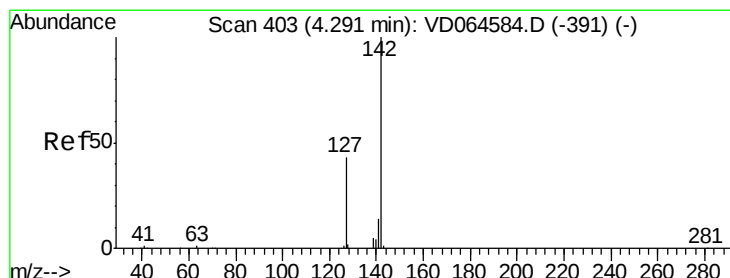
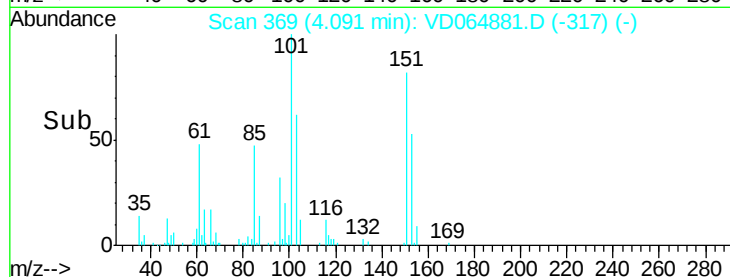
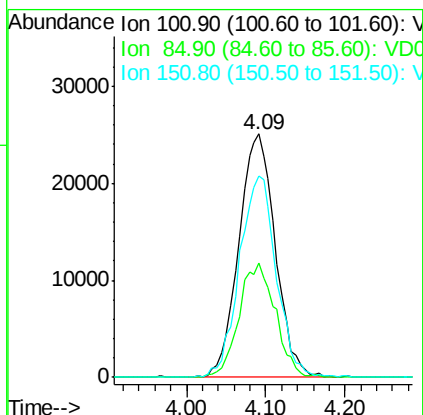
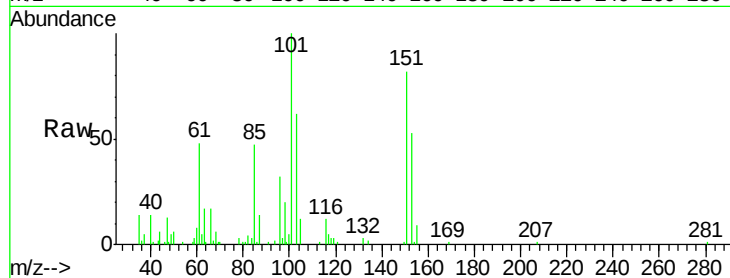
ClientSampleId :

VD0120SBS01

Tot Ion:	101	Resp:	80127
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.2	52.8
151	83.7	66.2	99.4

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#10

Methyl Iodide

Concen: 21.386 ug/l

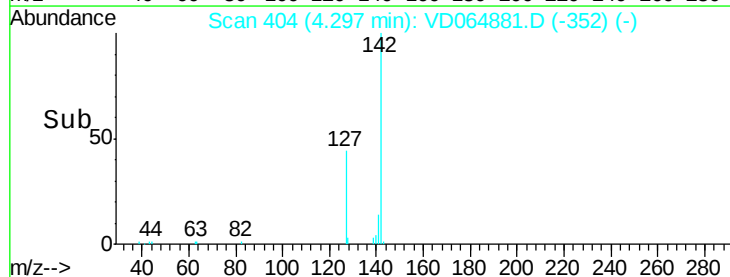
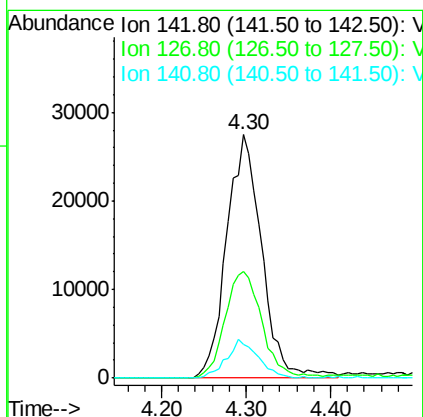
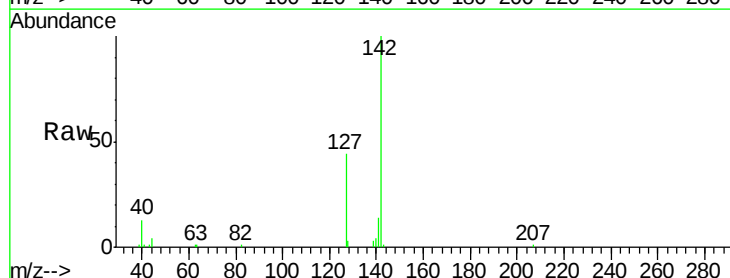
RT: 4.30 min Scan# 404

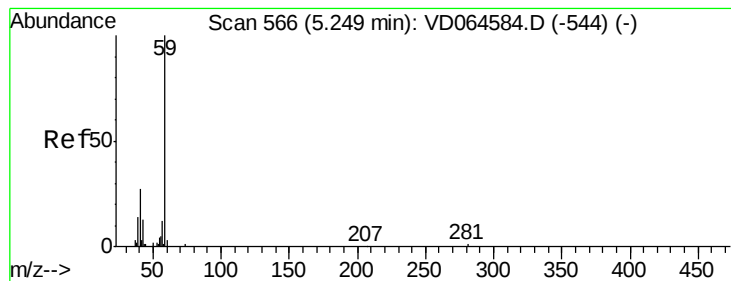
Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	142	Resp:	79034
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.2	54.4
141	14.1	11.8	17.8





#11

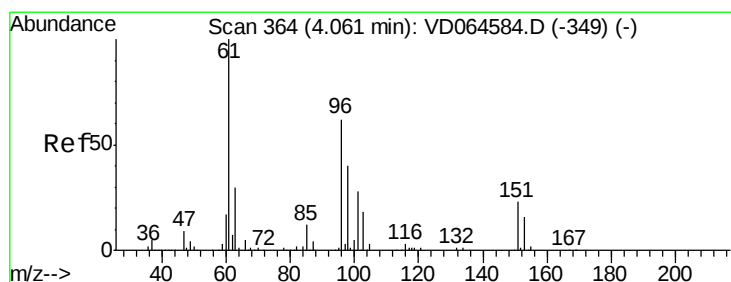
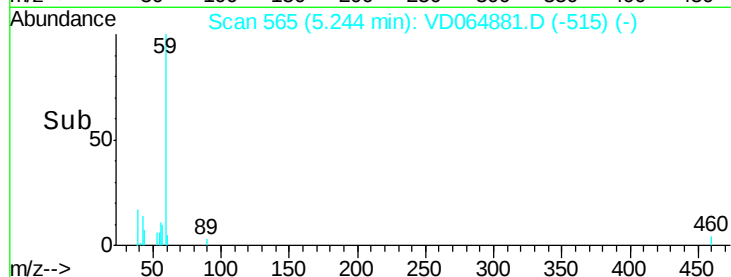
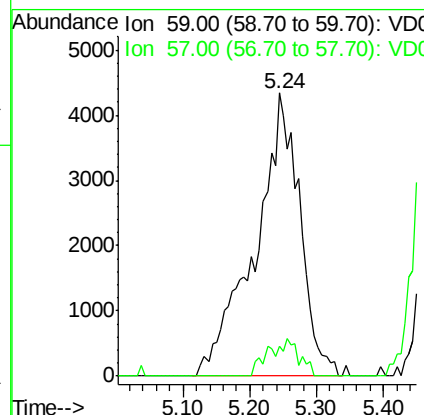
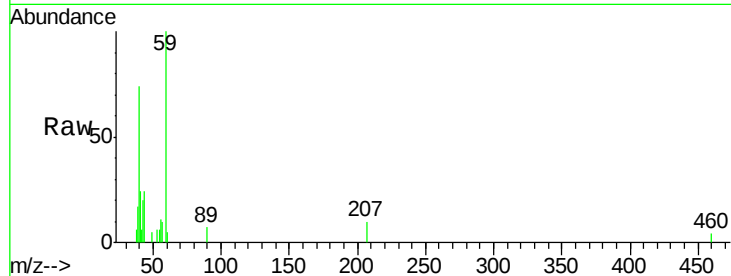
Tert butyl alcohol
 Concen: 107.595 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0120SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	9.3	13.9#

Manual Integrations
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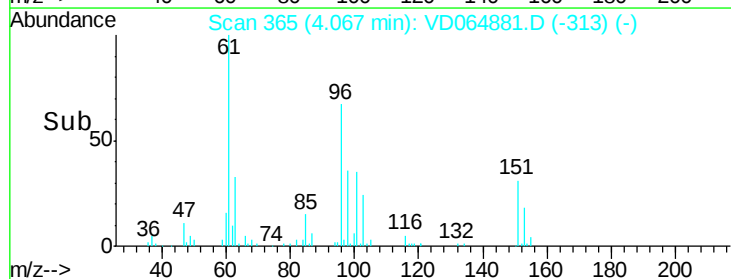
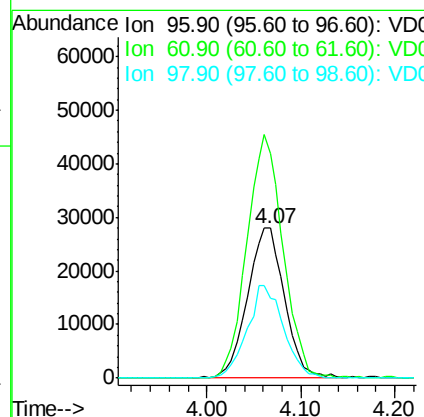
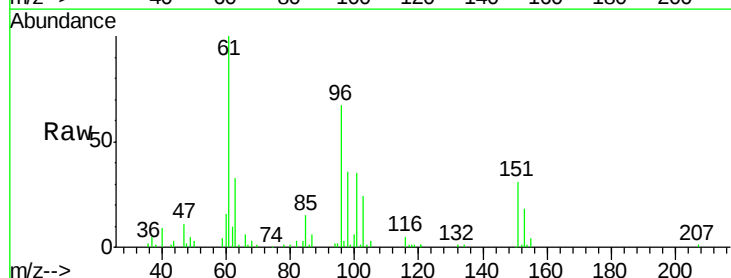
MMDadoda
 1/21/2020 9:23:21 AM

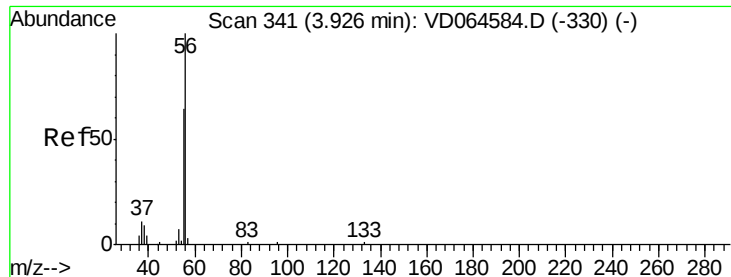


#12

1,1-Dichloroethene
 Concen: 23.267 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	129.4	194.0
98	53.5	51.4	77.0





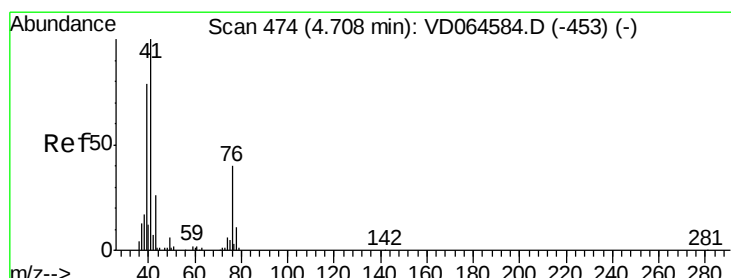
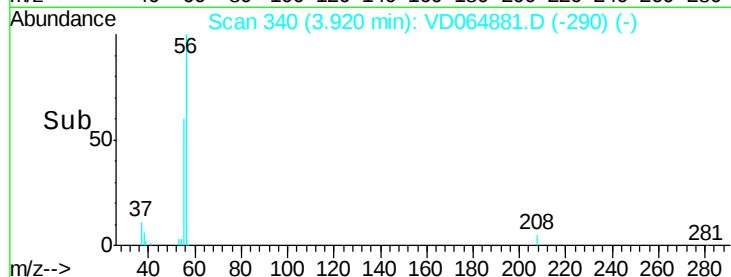
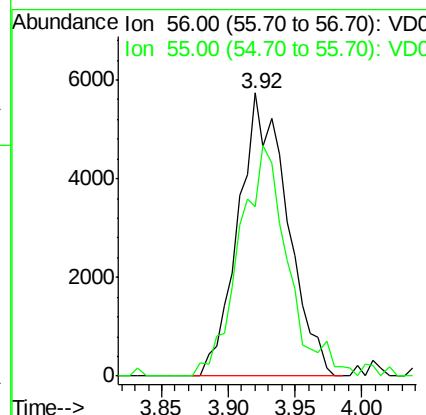
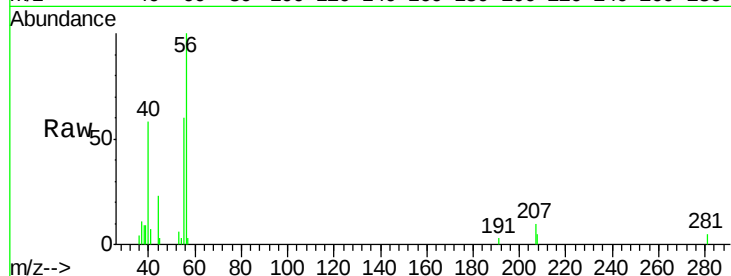
#13
Acrolein
Concen: 55.531 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	80.4	56.7	85.1

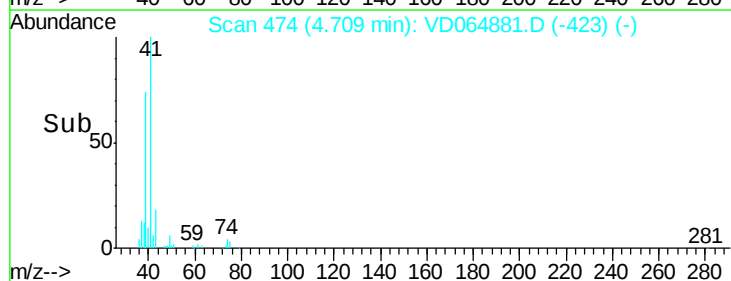
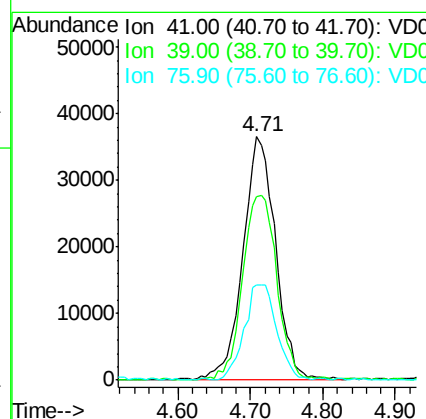
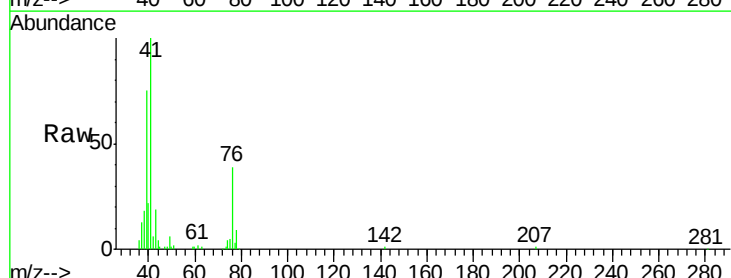
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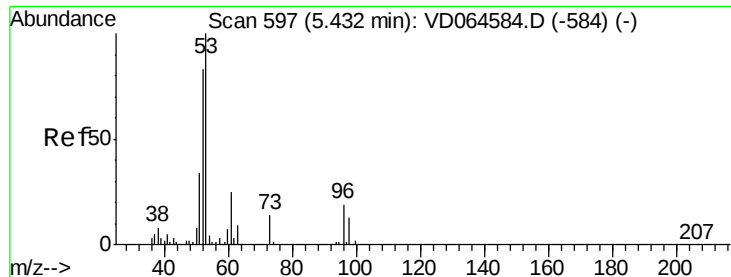
MMDadoda
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#14
Allyl chloride
Concen: 22.441 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.5	62.3	93.5
76	38.9	29.7	44.5





#15

Acrylonitrile

Concen: 93.964 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

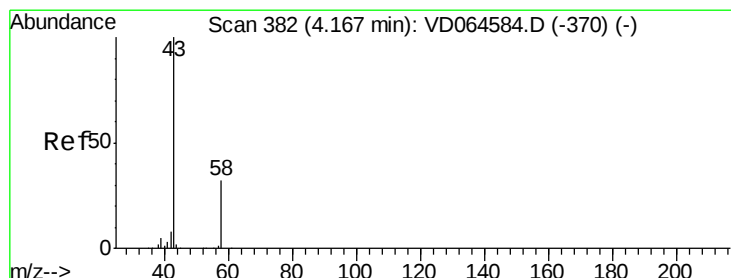
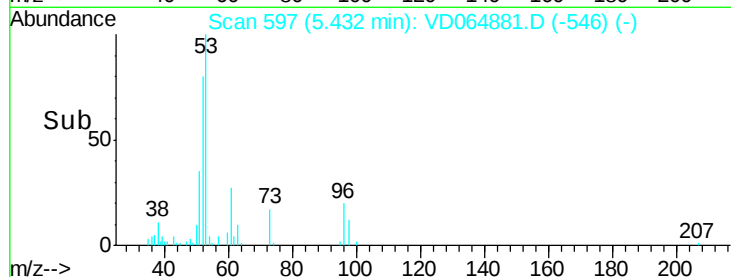
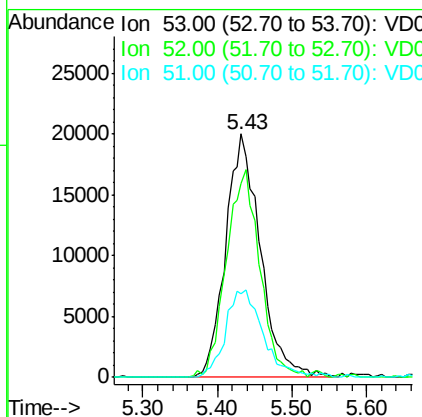
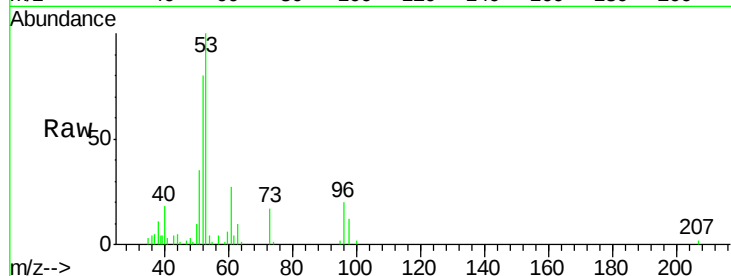
ClientSampleId :

VD0120SBS01

Tot Ion:	53	Resp:	64568
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	38.6	30.1	45.1

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#16

Acetone

Concen: 92.934 ug/l

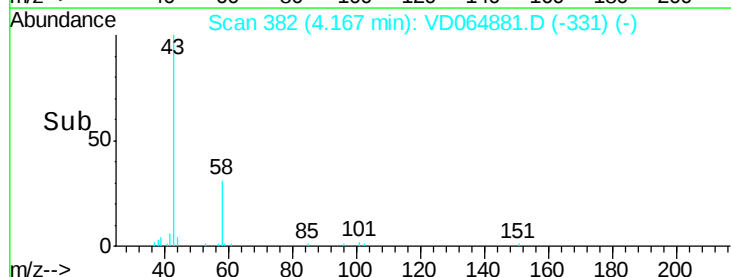
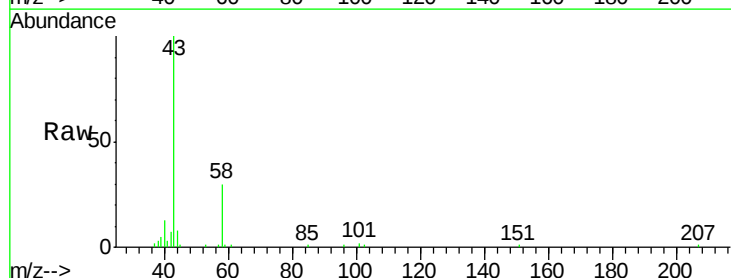
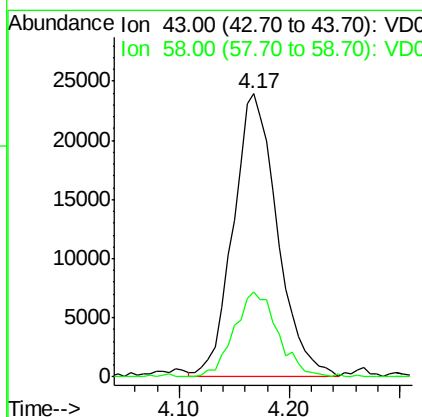
RT: 4.17 min Scan# 382

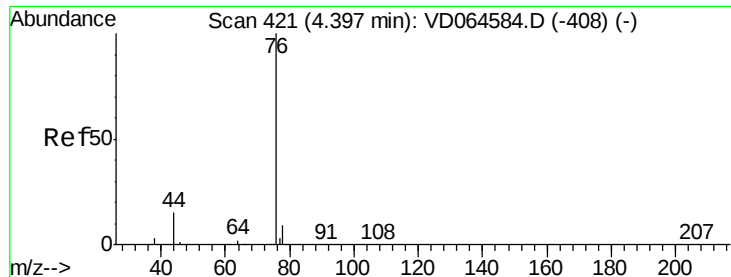
Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	43	Resp:	67202
Ion Ratio	Lower	Upper	
43	100		
58	30.1	25.8	38.6





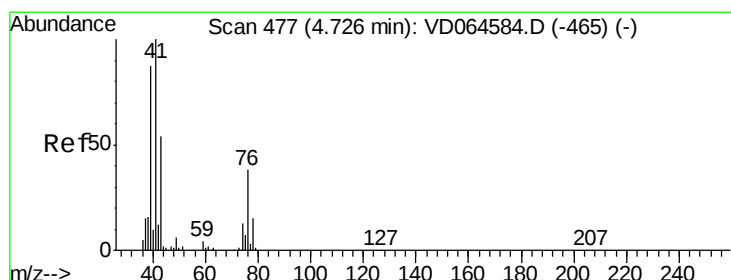
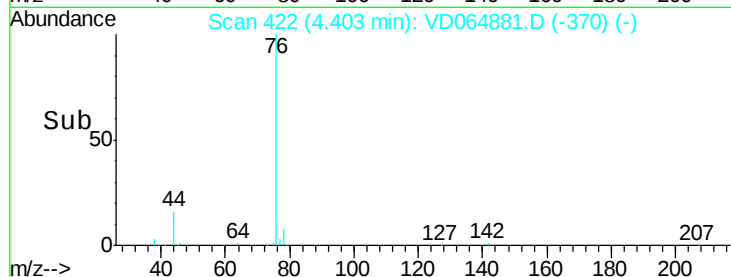
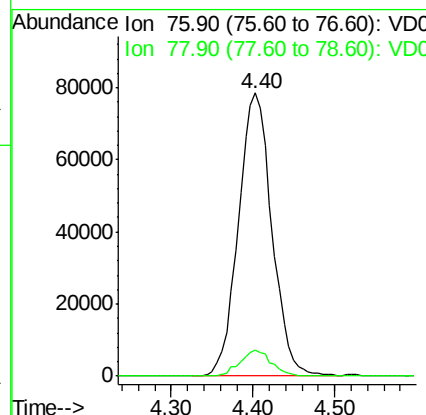
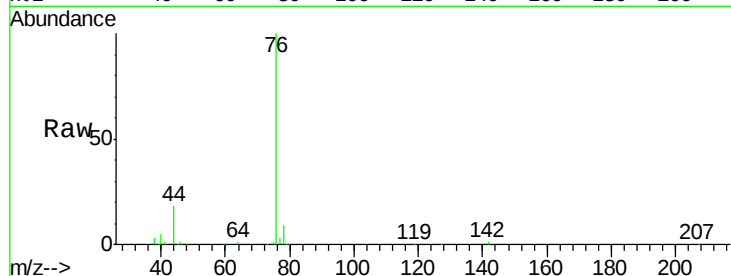
#17
Carbon Disulfide
Concen: 21.139 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion: 76 Resp: 223893
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

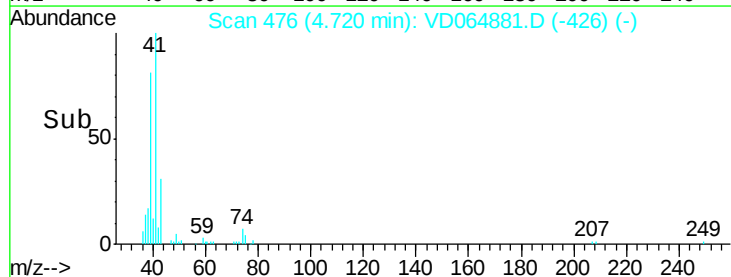
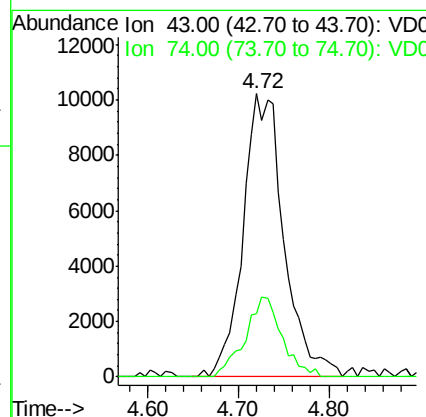
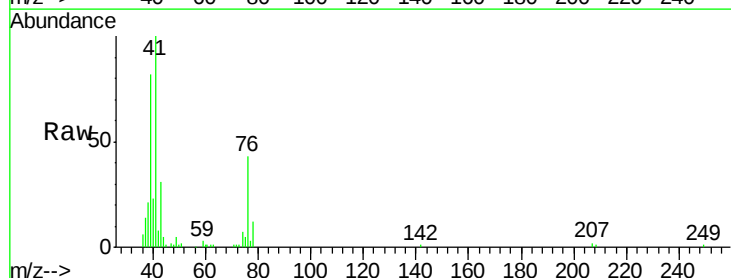
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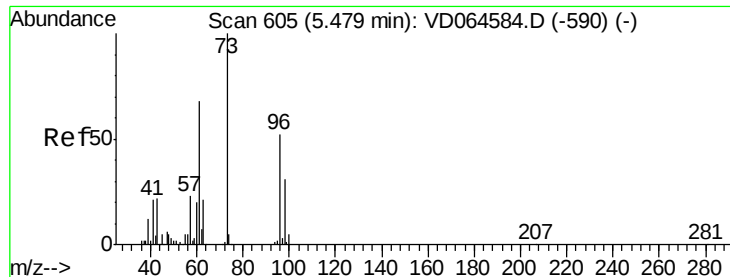
MMDadoda
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#18
Methyl Acetate
Concen: 17.364 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 43 Resp: 32094
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8





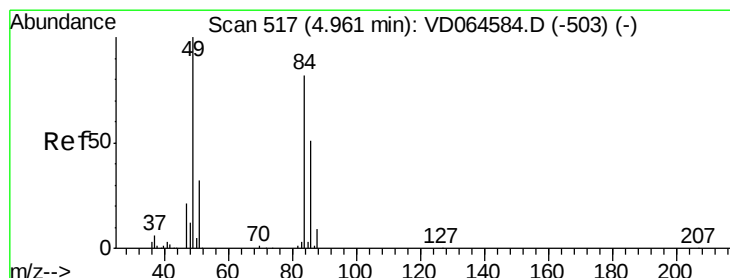
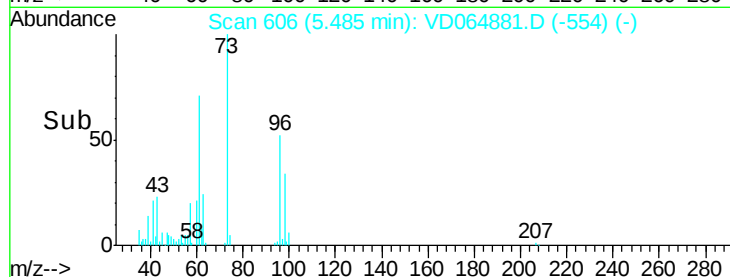
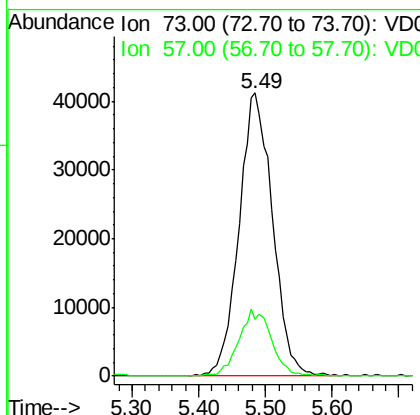
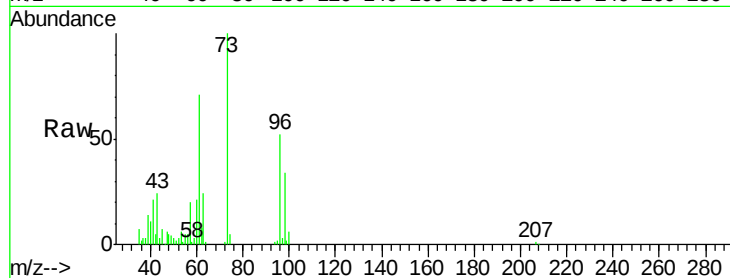
#19
Methvl tert-butvl Ether
Concen: 19.544 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion: 73 Resp: 142193
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

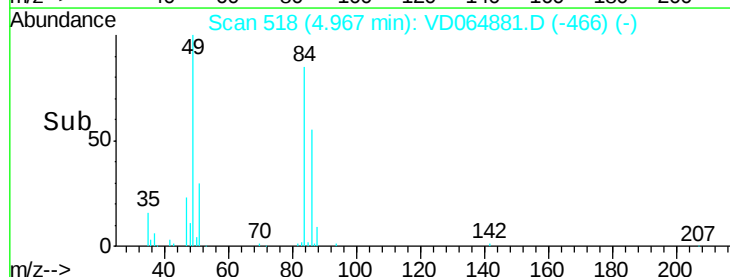
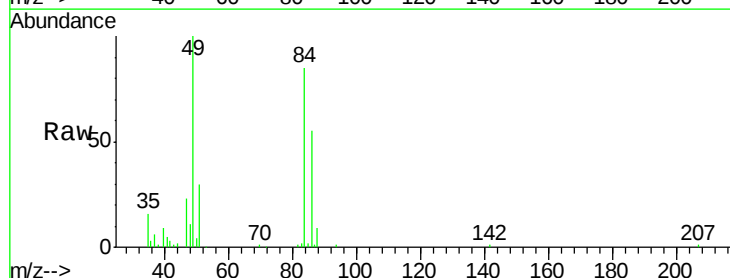
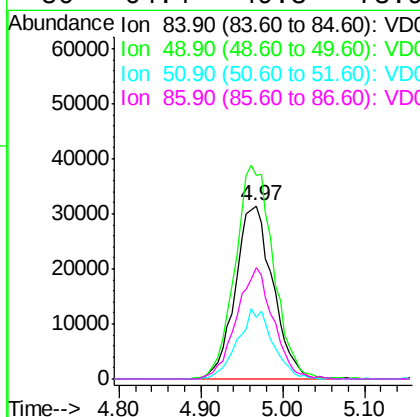
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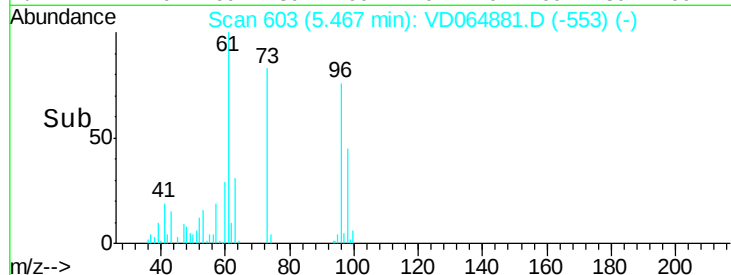
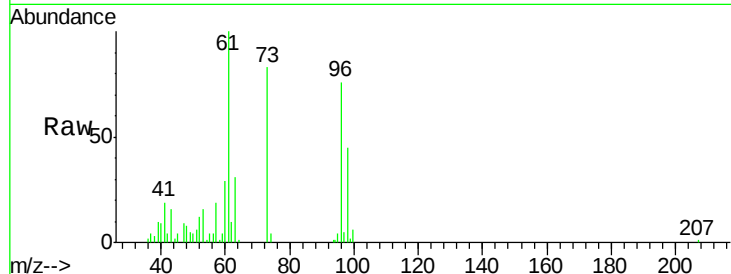
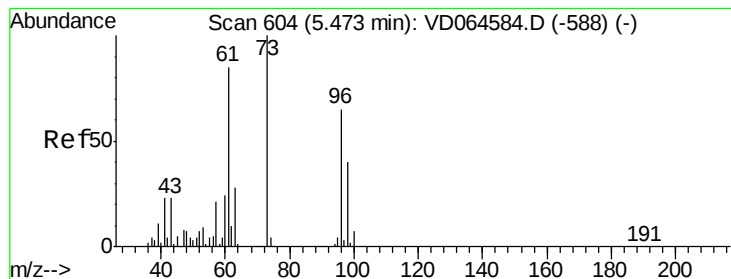
MMDadoda
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#20
Methylene Chloride
Concen: 27.781 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 84 Resp: 100569
Ion Ratio Lower Upper
84 100
49 118.0 97.2 145.8
51 35.4 31.4 47.0
86 64.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.819 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tot Ion:	96	Resp:	85124
Ion	Ratio	Lower	Upper
96	100		
61	131.0	104.7	157.1
98	58.4	49.4	74.2

Instrument :

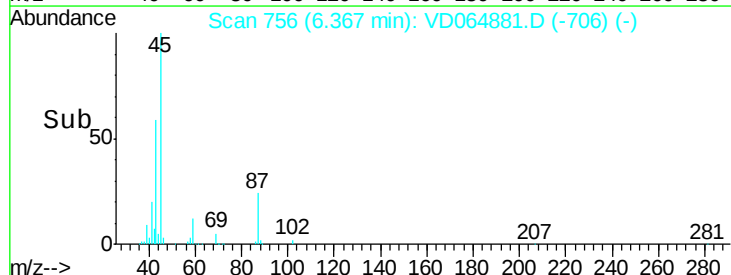
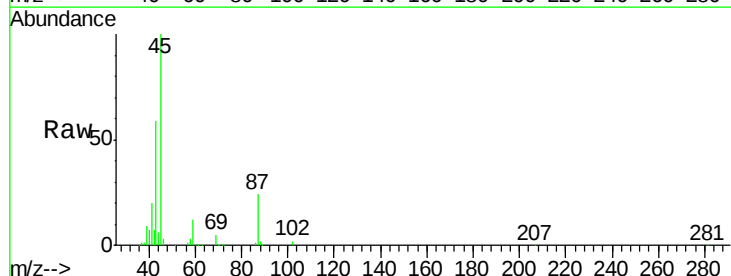
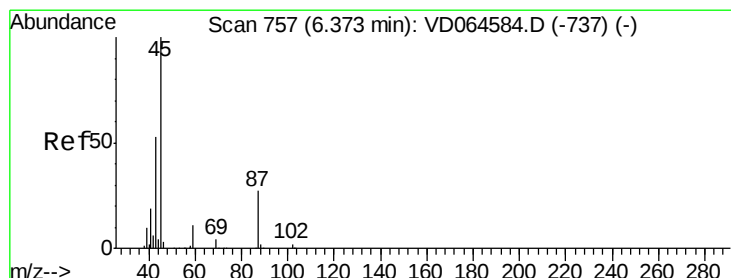
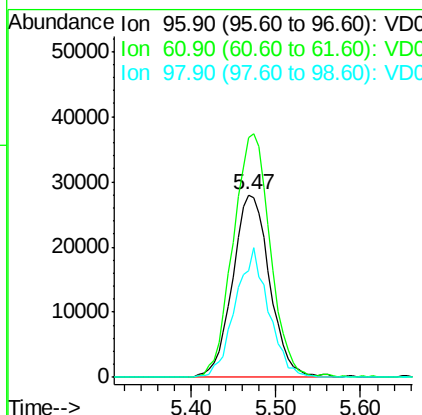
MSVOA_D

ClientSampleId :

VD0120SBS01

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#22

Diisopropyl ether

Concen: 21.432 ug/l

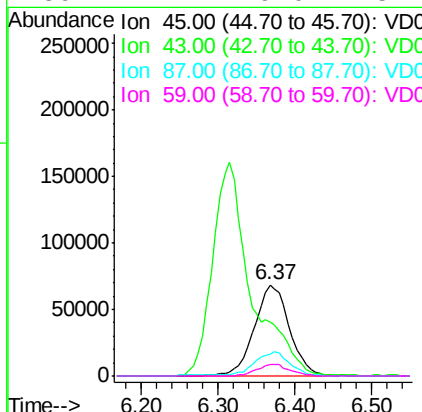
RT: 6.37 min Scan# 756

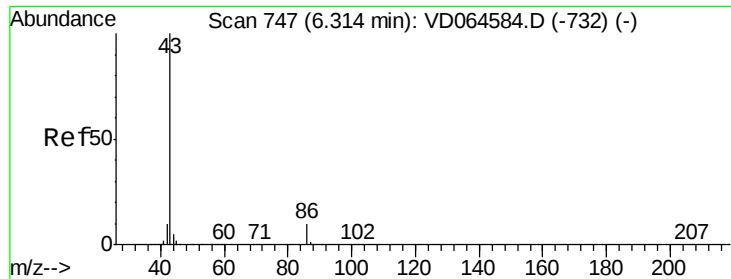
Delta R.T. -0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	45	Resp:	218311
Ion	Ratio	Lower	Upper
45	100		
43	57.9	43.2	64.8
87	24.3	21.9	32.9
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 96.633 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion: 43 Resp: 558371

Ion Ratio Lower Upper

43 100

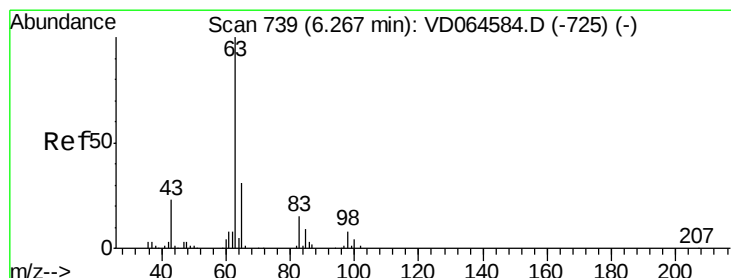
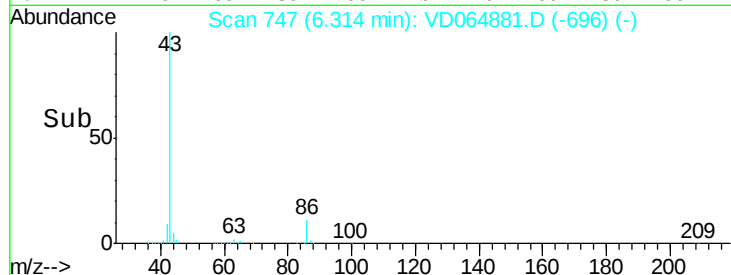
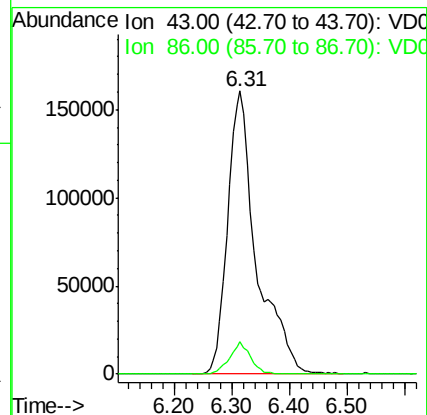
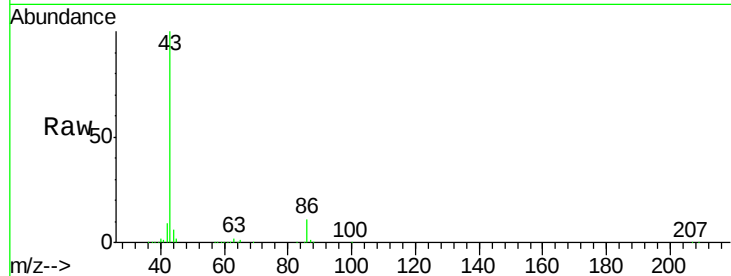
86 11.3 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.322 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

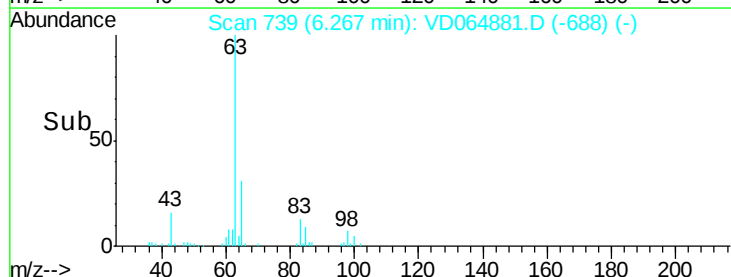
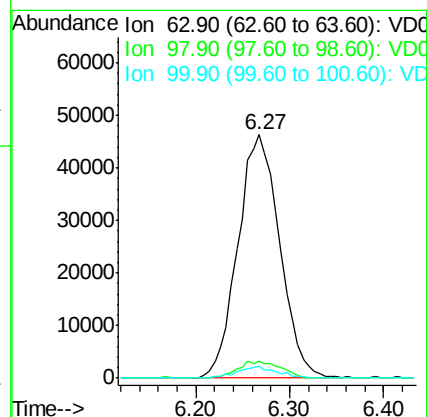
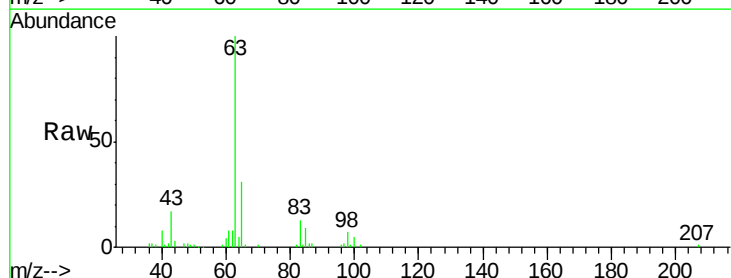
Tgt Ion: 63 Resp: 142619

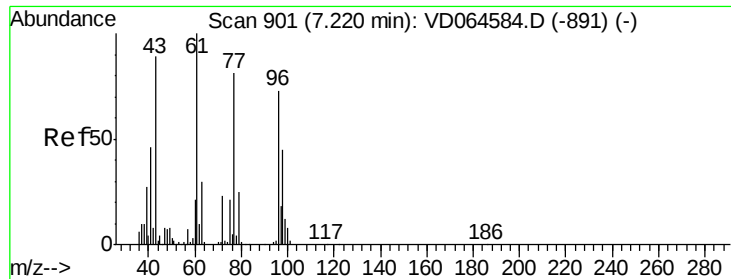
Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

100 5.0 2.2 6.6





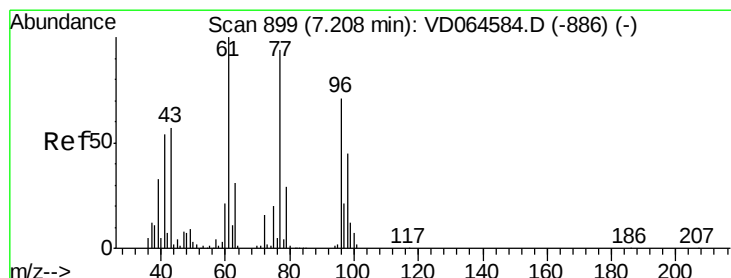
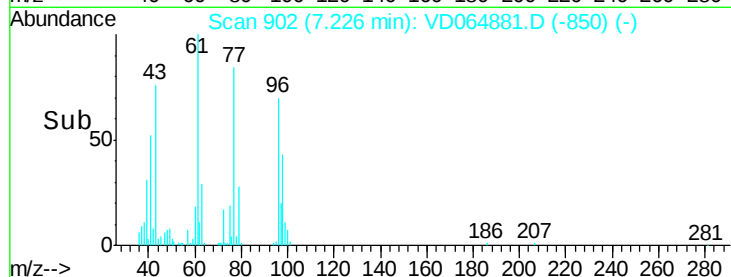
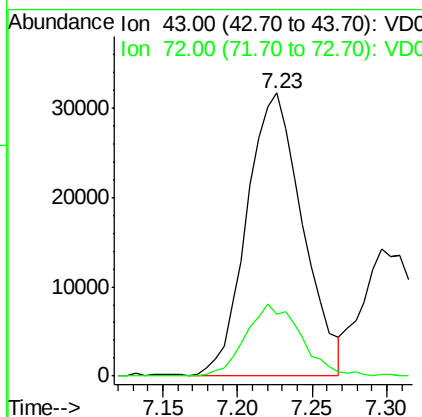
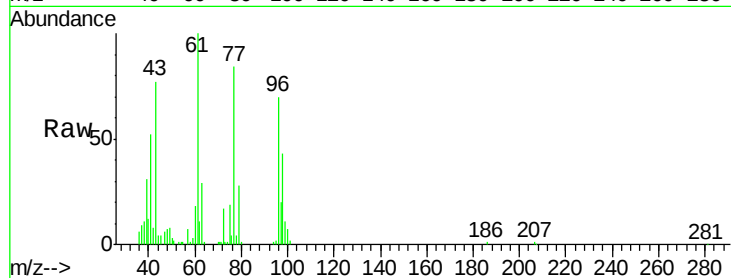
#25
2-Butanone
Concen: 91.431 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion: 43 Resp: 82509
Ion Ratio Lower Upper
43 100
72 21.8 20.7 31.1

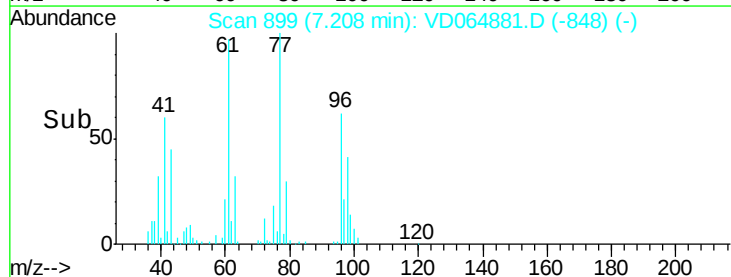
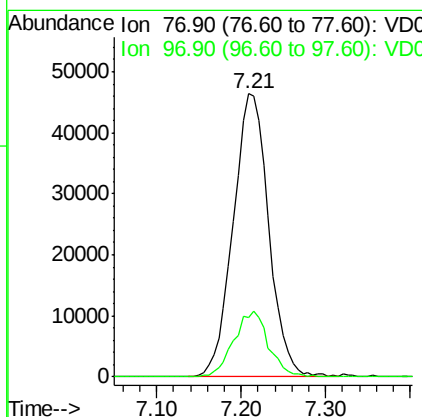
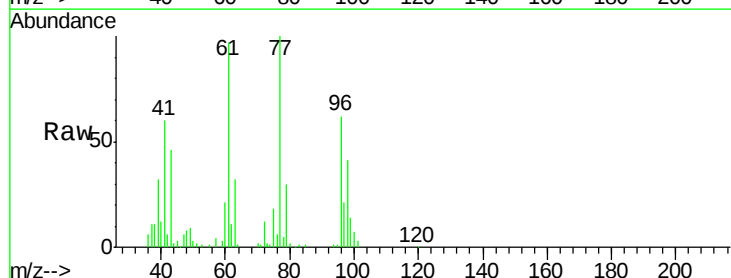
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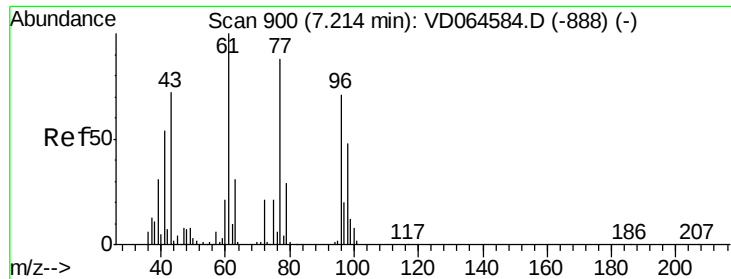
MMDadoda
1/21/2020 9:23:21 AM



#26
2,2-Dichloropropane
Concen: 23.778 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 77 Resp: 135194
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 22.015 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

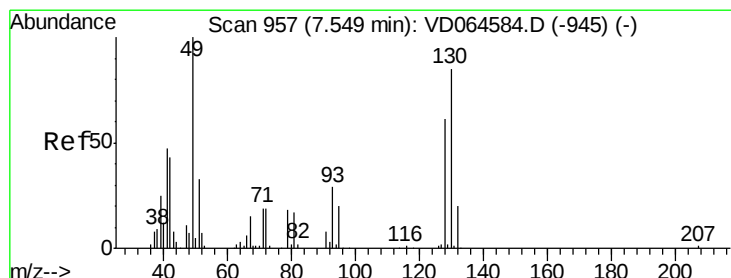
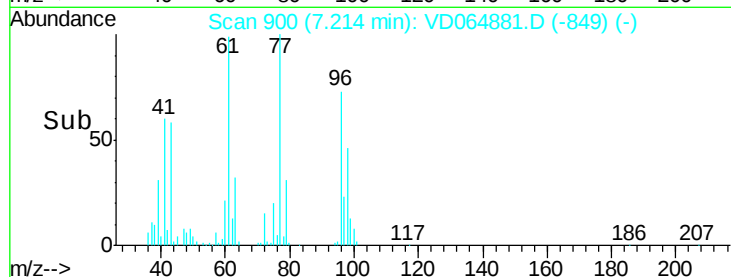
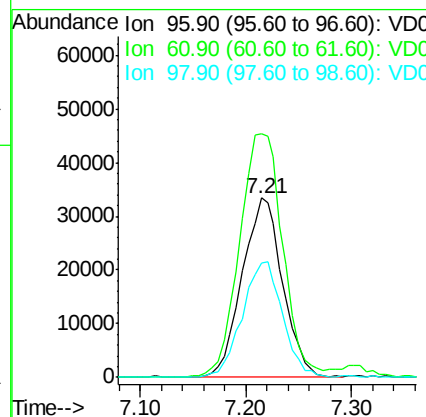
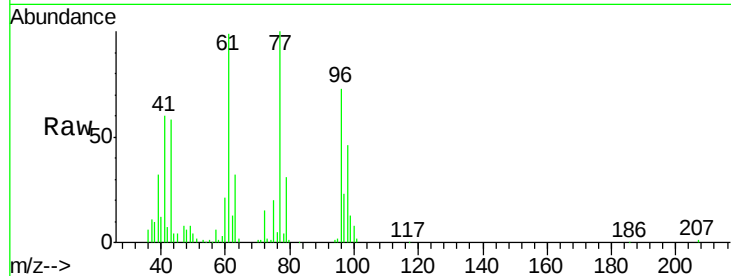
ClientSampleId :

VD0120SBS01

Tot Ion:	96	Resp:	88628
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	282.6
98	64.2	0.0	130.8

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#28

Bromochloromethane

Concen: 19.971 ug/l

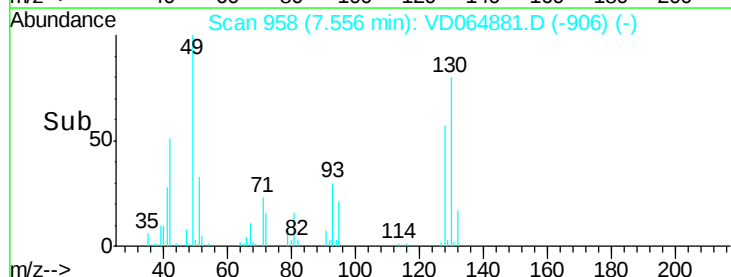
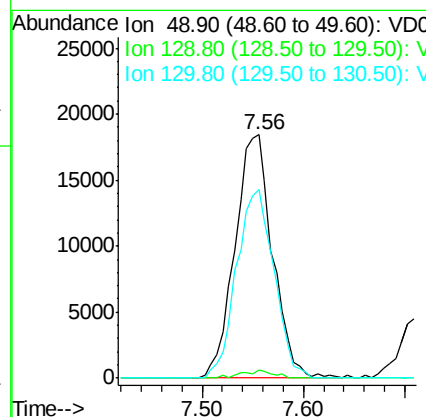
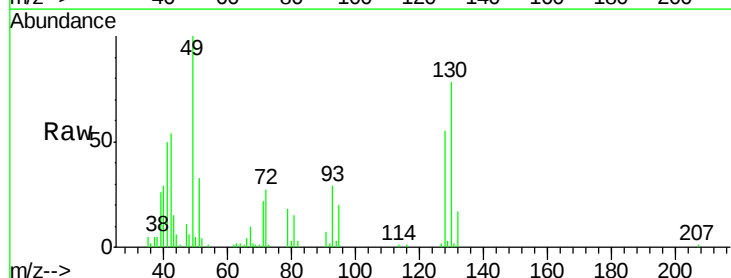
RT: 7.56 min Scan# 958

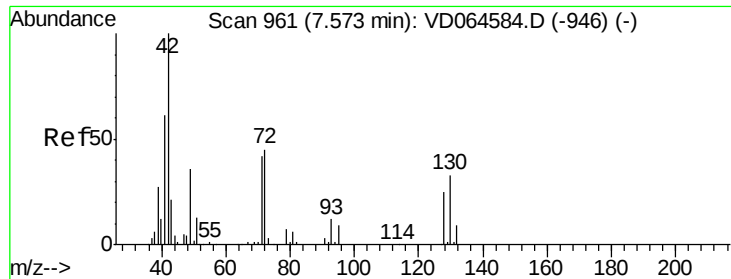
Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	49	Resp:	47474
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	77.3	65.0	97.6





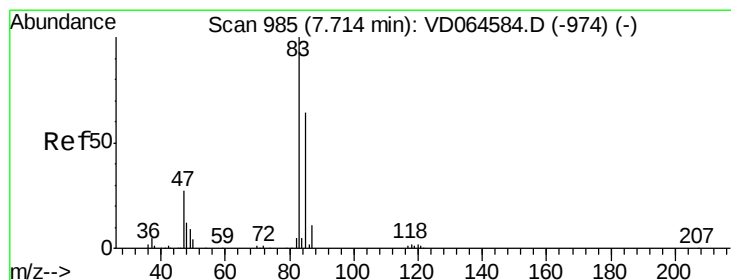
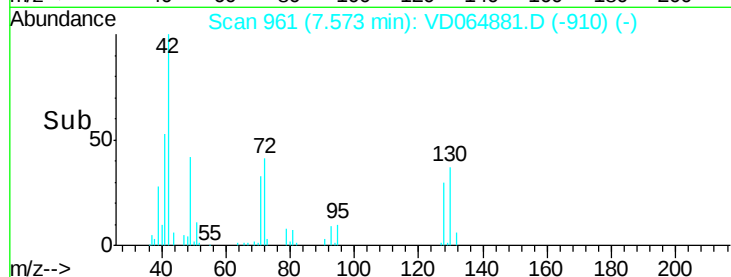
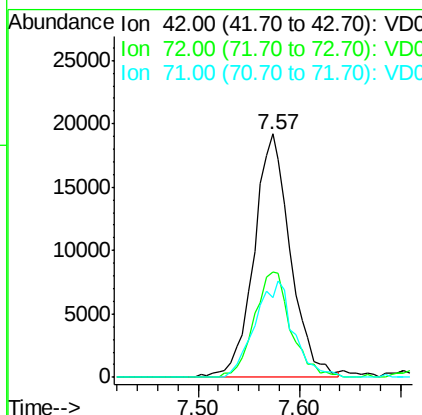
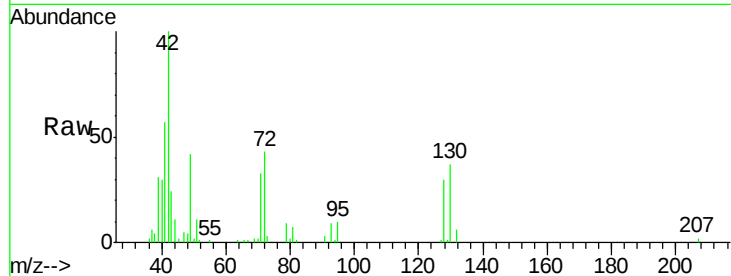
#29
Tetrahydrofuran
Concen: 86.035 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.0	52.4
71	41.3	32.9	49.3

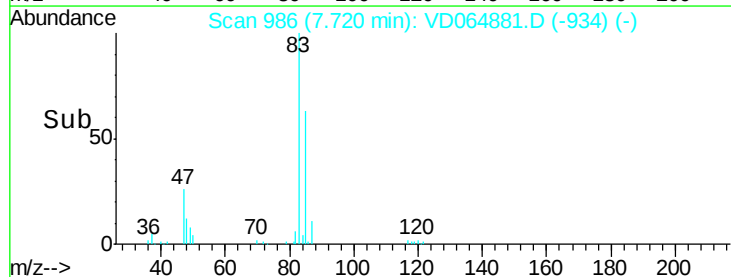
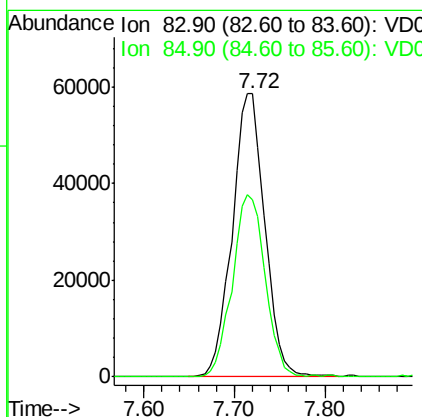
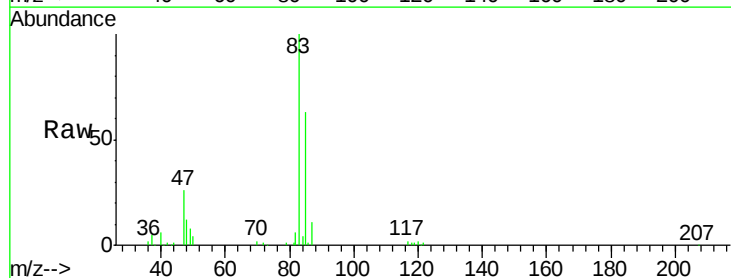
Manual Integrations
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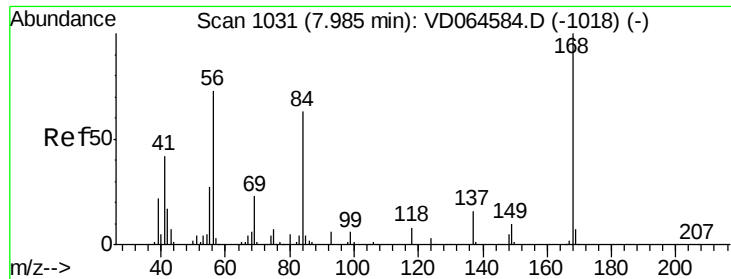
MMDadoda
1/21/2020 9:23:21 AM



#30
Chloroform
Concen: 22.788 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7





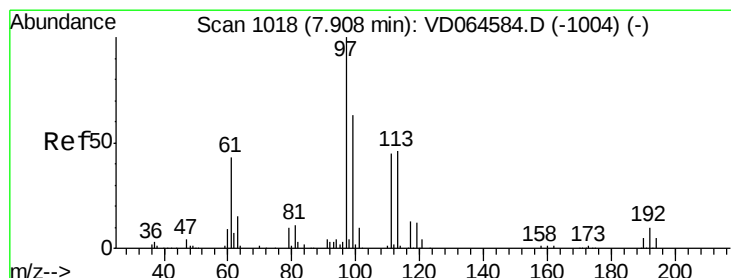
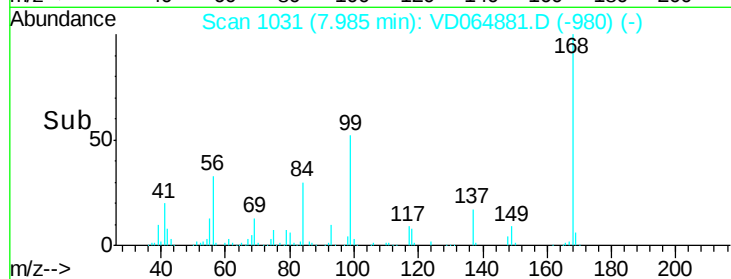
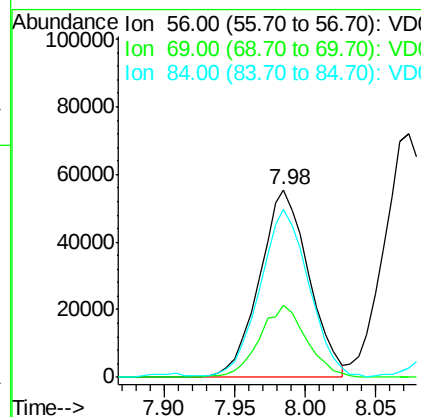
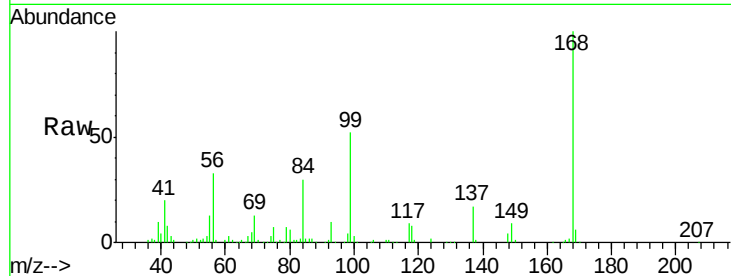
#31
Cyclohexane
Concen: 22.072 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	24.7	37.1#
84	88.6	69.4	104.2

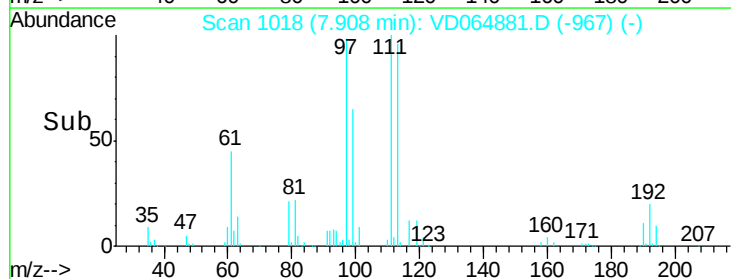
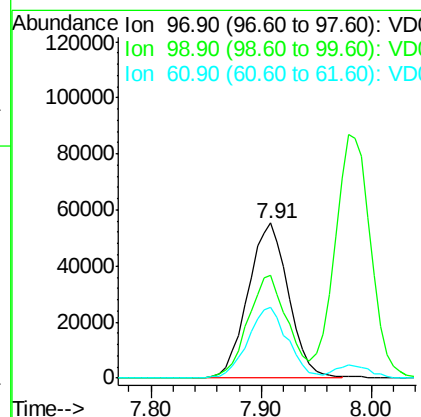
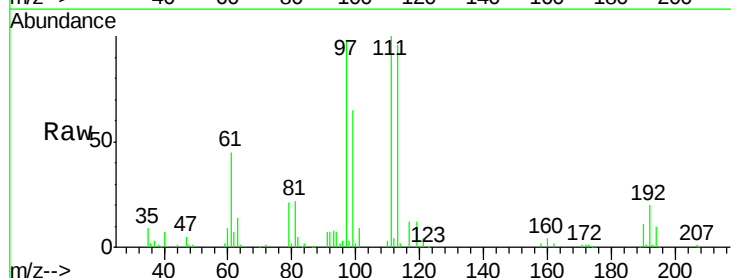
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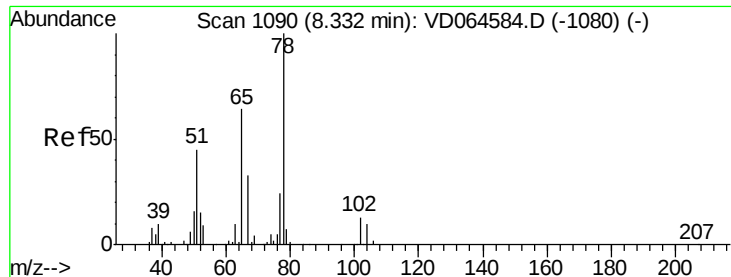
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#32
1,1,1-Trichloroethane
Concen: 23.550 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	45.1	35.4	53.0





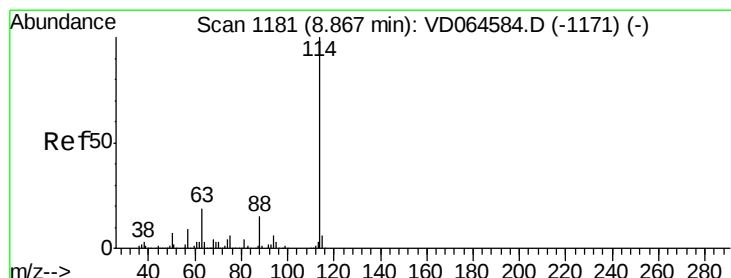
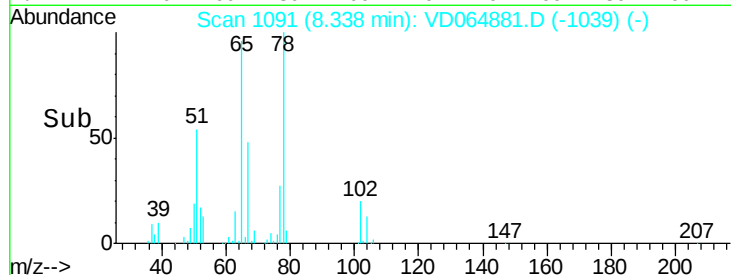
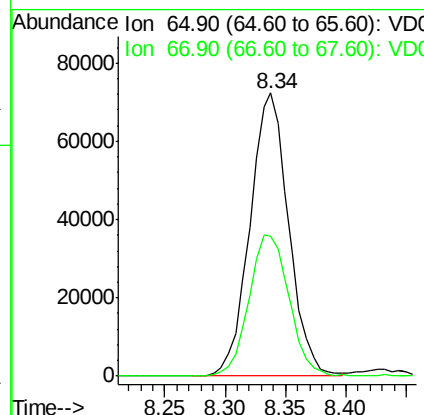
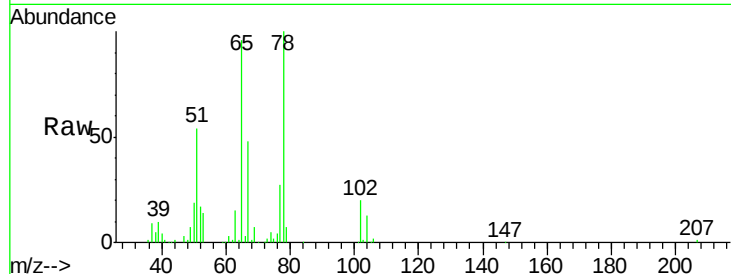
#33
 1,2-Dichloroethane-d4
 Concen: 49.092 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	106.2	

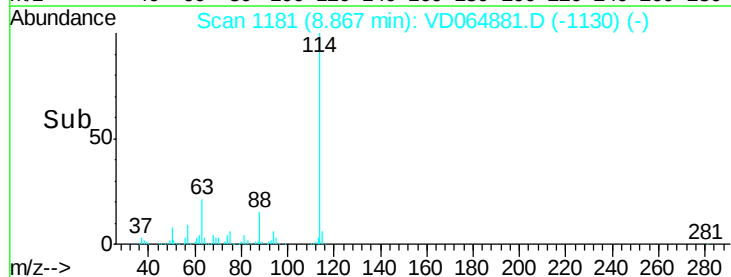
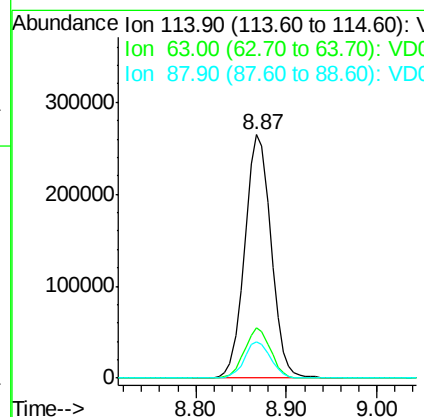
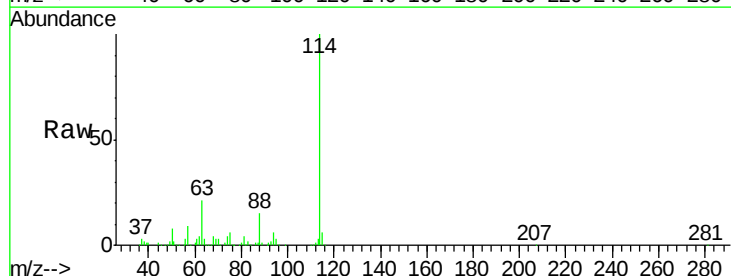
Manual Integrations
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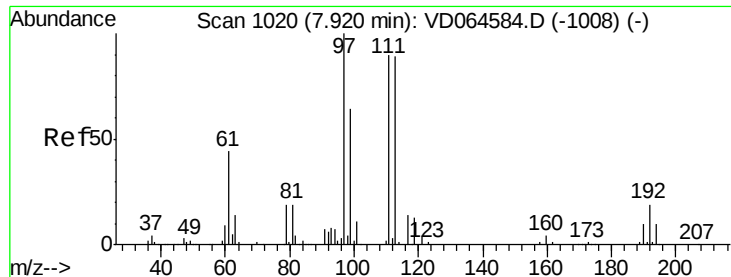
MMDadoda
 1/21/2020 9:23:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	38.0	
88	14.8	0.0	29.2	





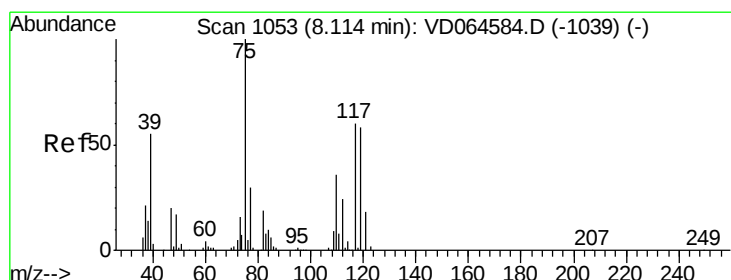
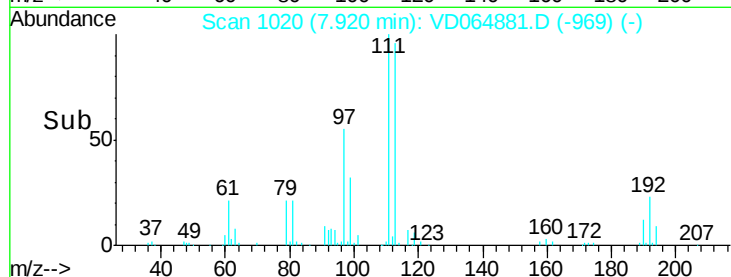
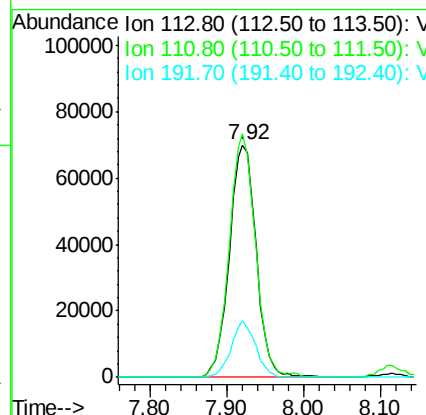
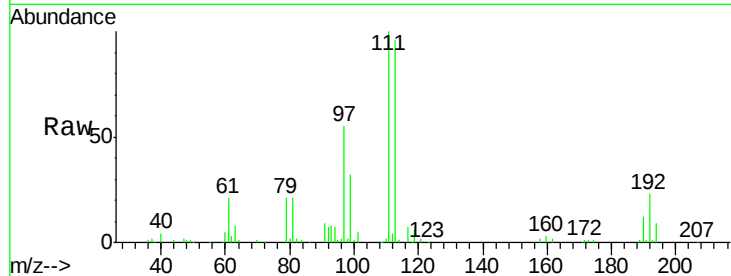
#35
 Dibromofluoromethane
 Concen: 51.959 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170075		
111	101.6	80.6	121.0	
192	22.2	17.9	26.9	

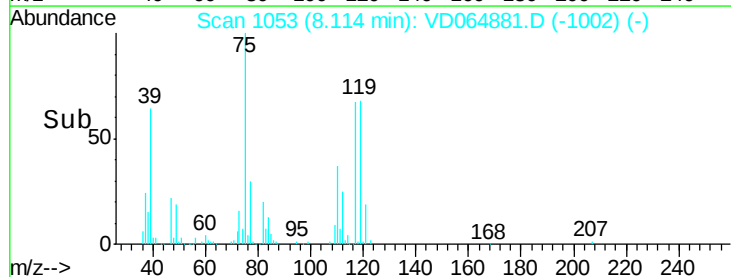
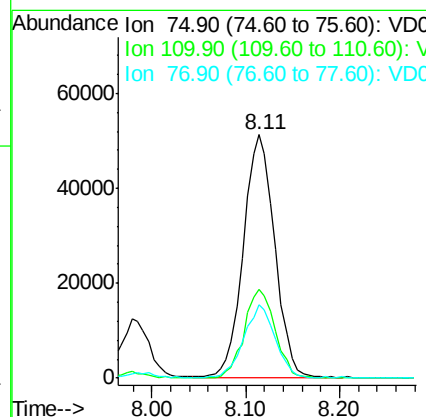
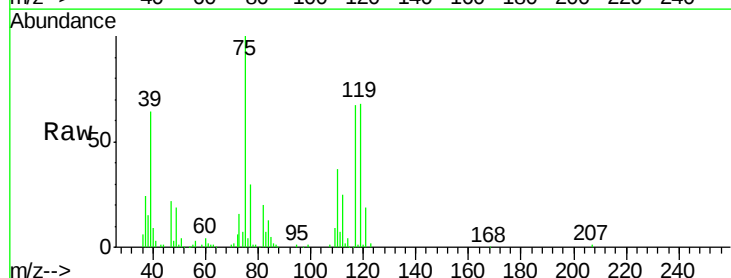
Manual Integrations
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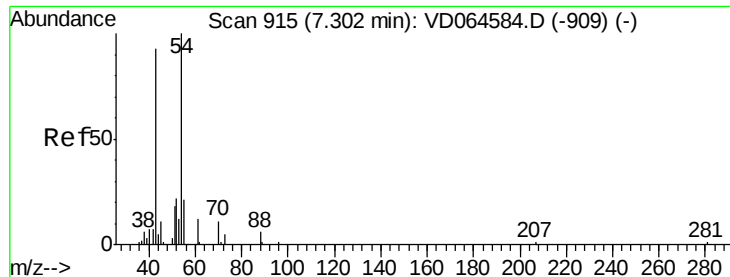
MMDadoda
 1/21/2020 9:23:21 AM



#36
 1,1-Dichloropropene
 Concen: 23.177 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119015		
110	35.7	18.1	54.1	
77	30.1	24.2	36.4	





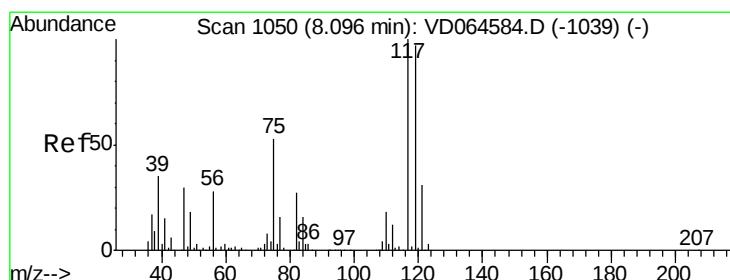
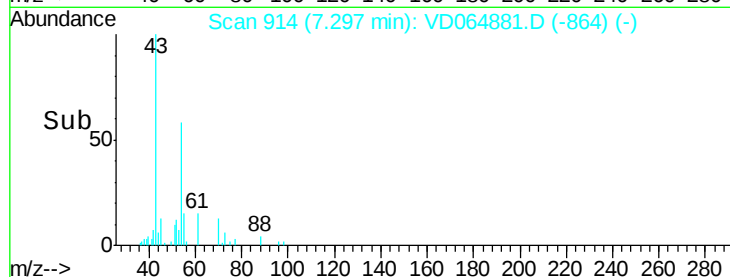
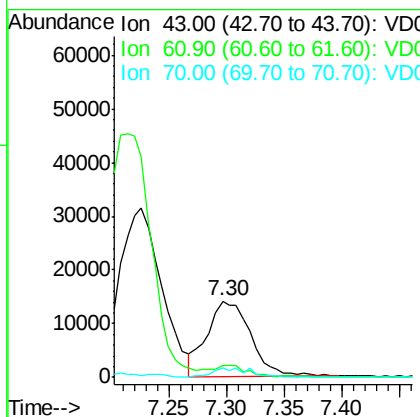
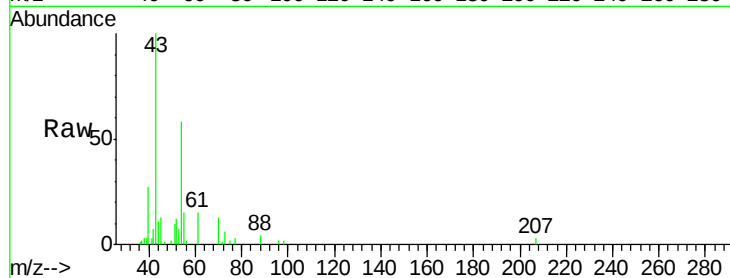
#37
Ethyl Acetate
Concen: 18.477 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	10.5	7.6	11.4

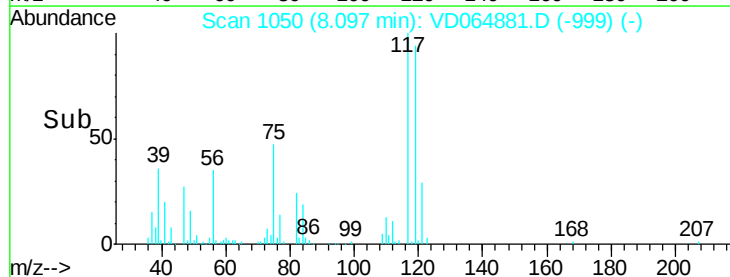
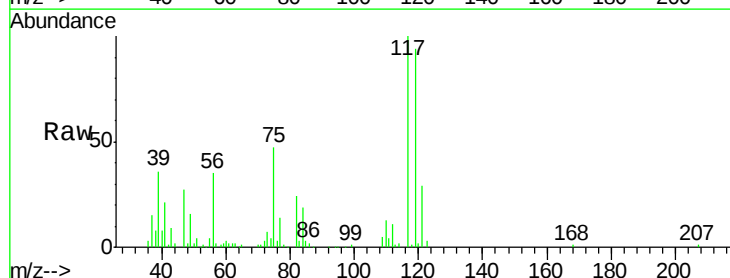
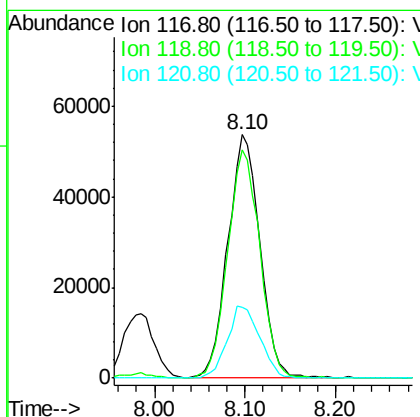
Manual Integrations
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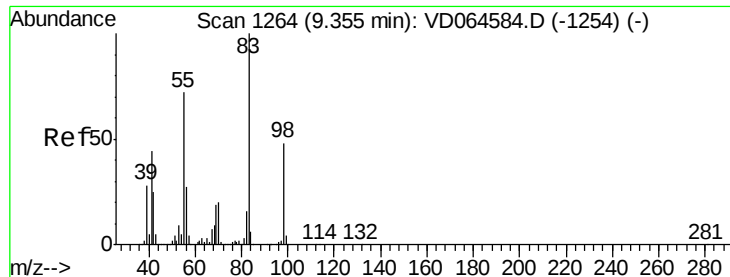
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#38
Carbon Tetrachloride
Concen: 24.115 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.3	115.9
121	29.0	25.0	37.6





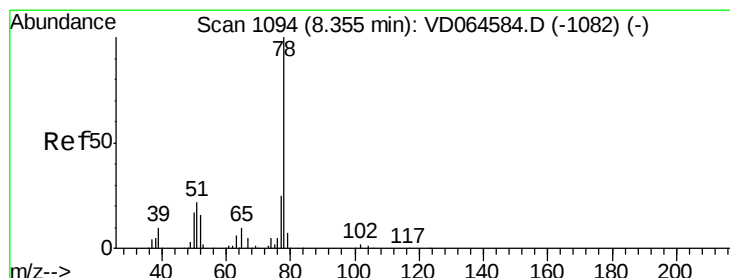
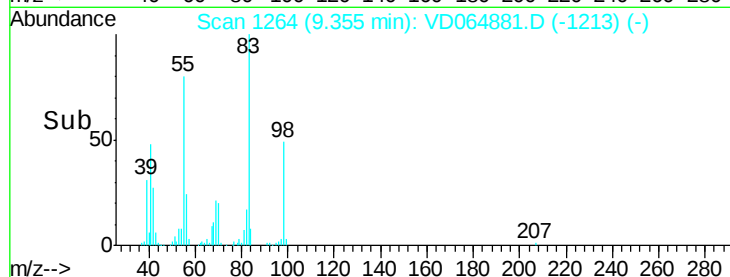
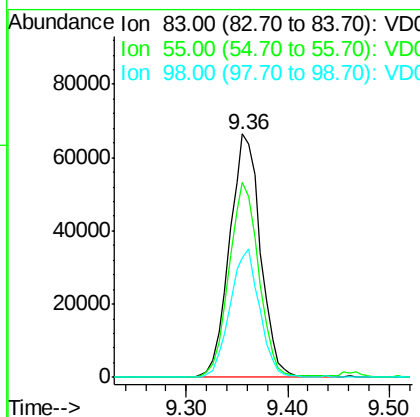
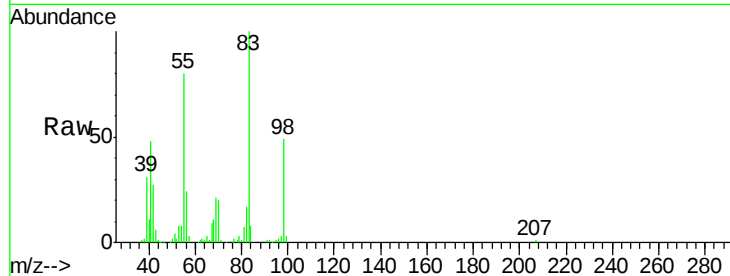
#39
Methvlcvclohexane
Concen: 22.558 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	140301		
55	79.6		57.8	86.6
98	49.2		38.7	58.1

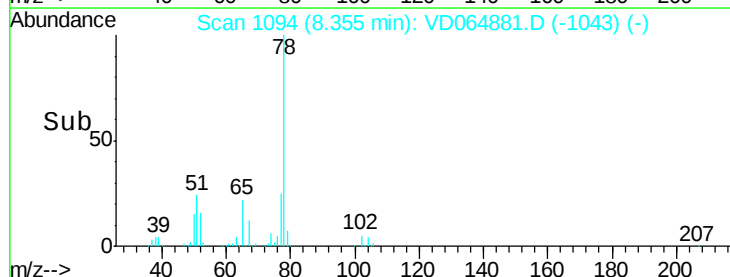
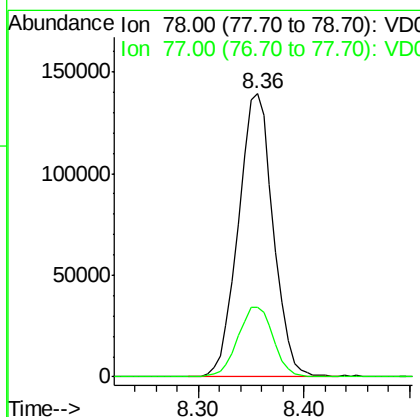
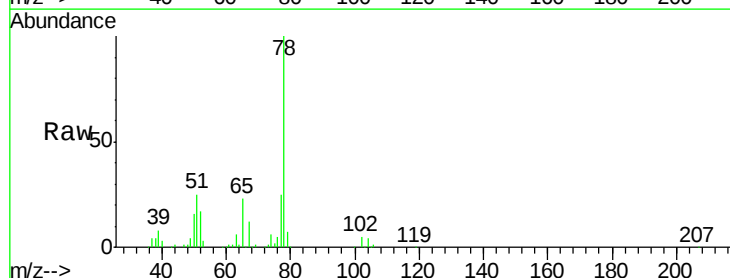
Manual Integrations
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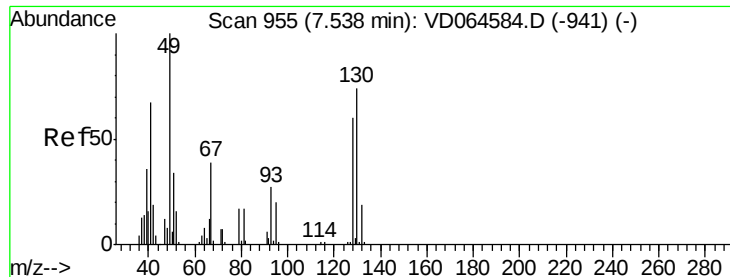
MMDadoda
1/21/2020 9:23:21 AM



#40
Benzene
Concen: 22.747 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	318881		
77	24.6		19.9	29.9





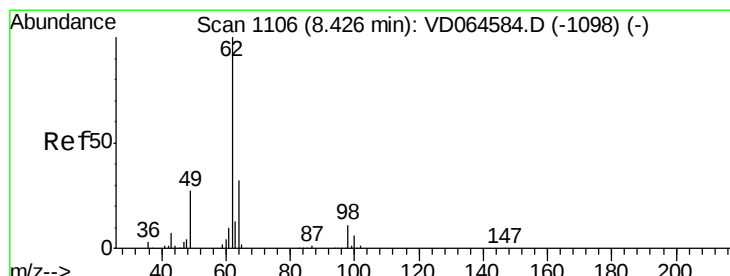
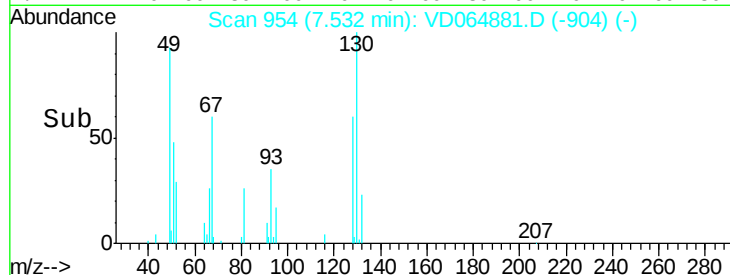
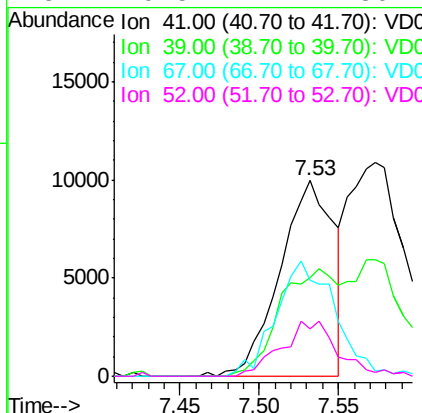
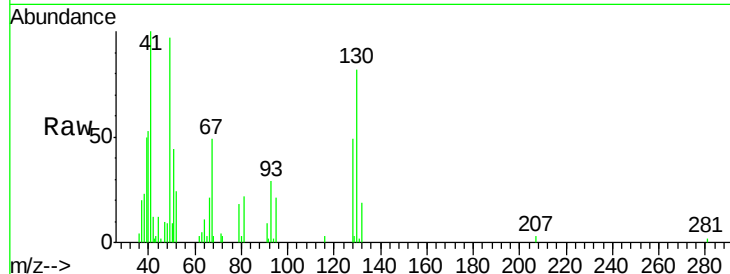
#41
Methacrylonitrile
Concen: 20.089 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	41	Resp	23514
Ion	Ratio	Lower	Upper
41	100		
39	58.6	46.7	70.1
67	65.0	52.5	78.7
52	29.5	24.1	36.1

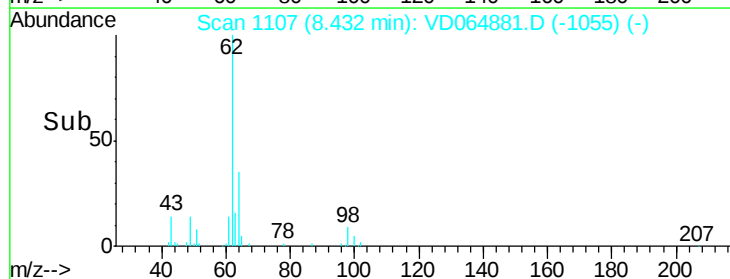
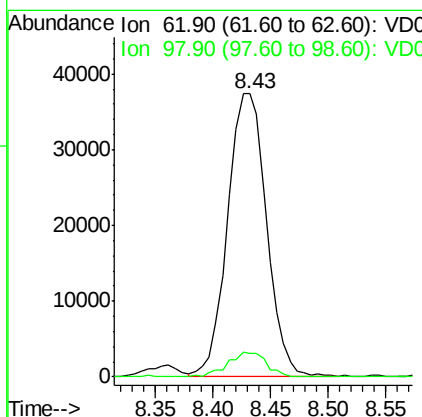
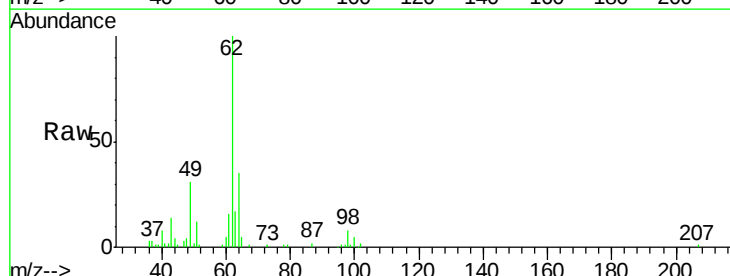
Manual Integrations
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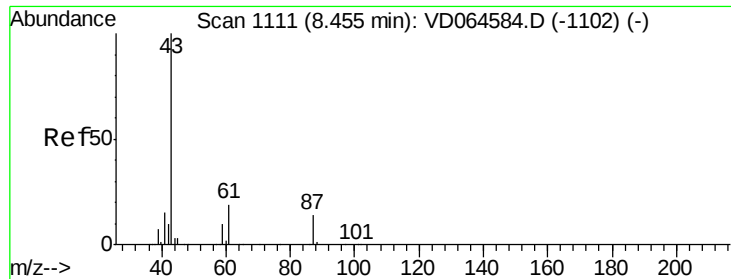
MMDadoda
1/21/2020 9:23:21 AM



#42
1,2-Dichloroethane
Concen: 21.601 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	62	Resp	87504
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	20.0





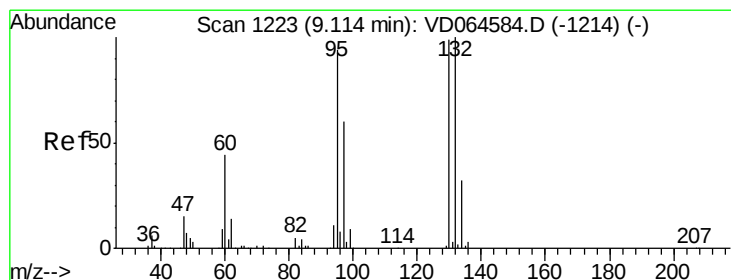
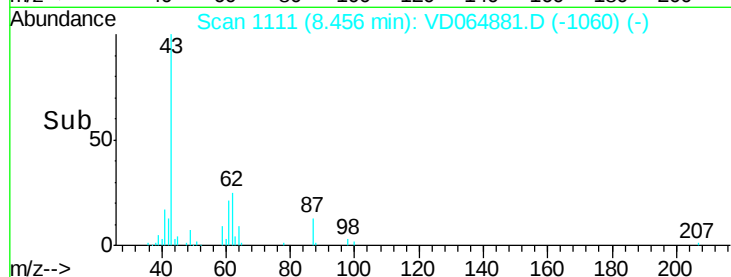
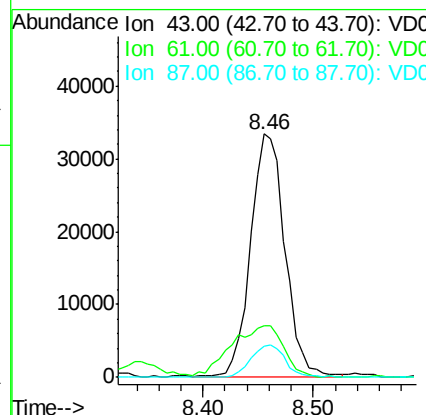
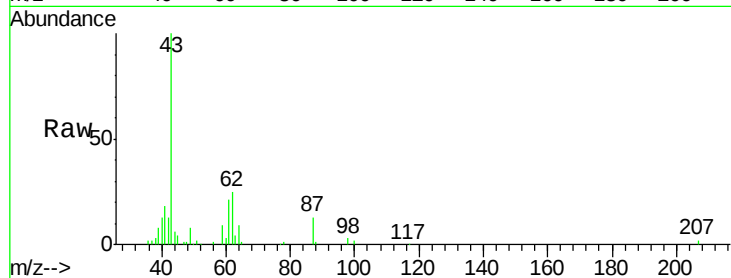
#43
Isopropyl Acetate
Concen: 18.286 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	23.7	35.5
87	13.4	10.5	15.7

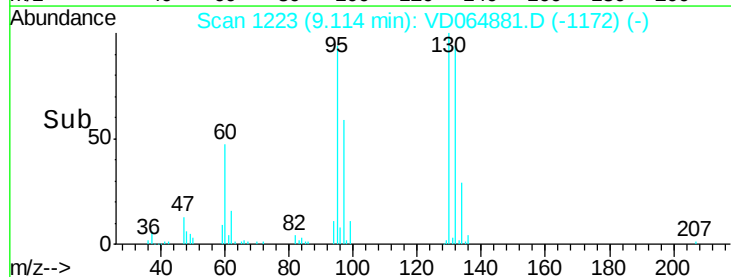
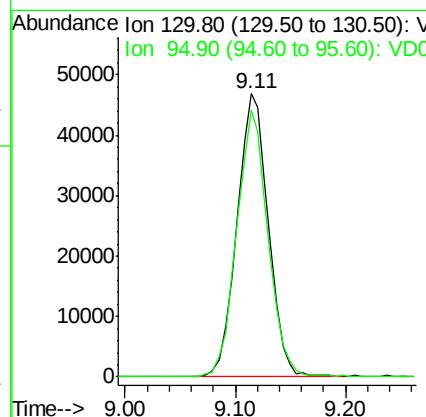
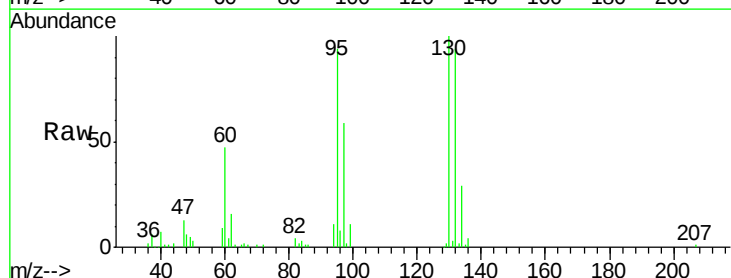
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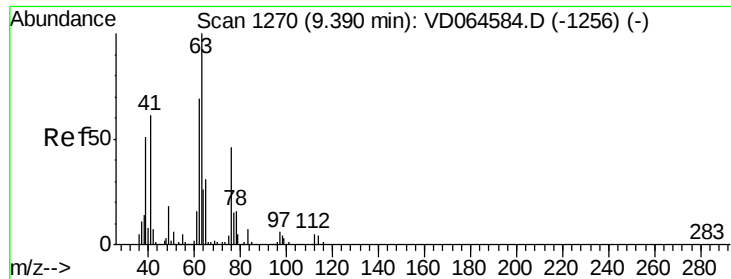
MMDadoda
1/21/2020 9:23:21 AM



#44
Trichloroethene
Concen: 22.621 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	190.2





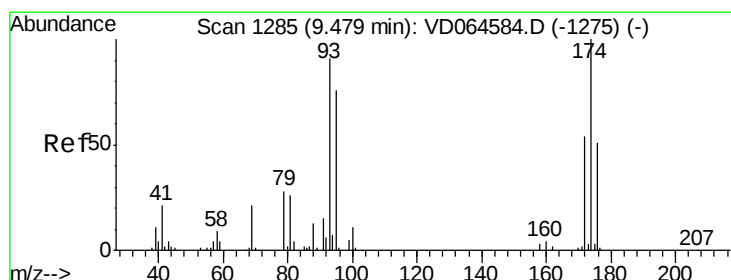
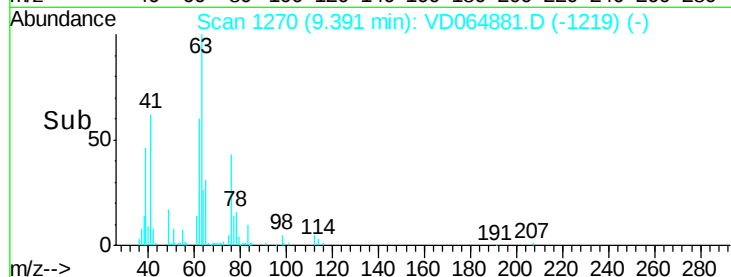
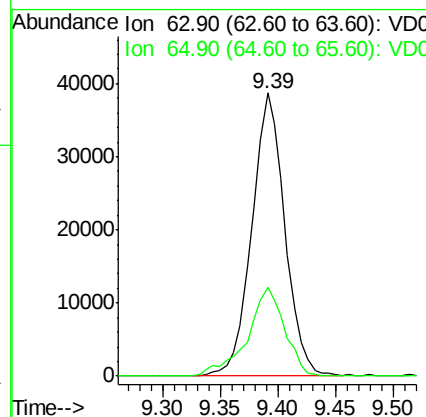
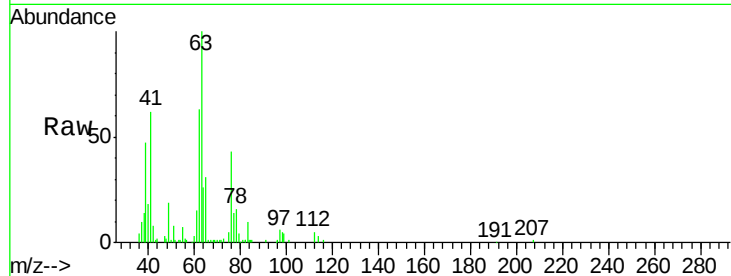
#45
 1,2-Dichloropropane
 Concen: 22.989 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.2	37.8

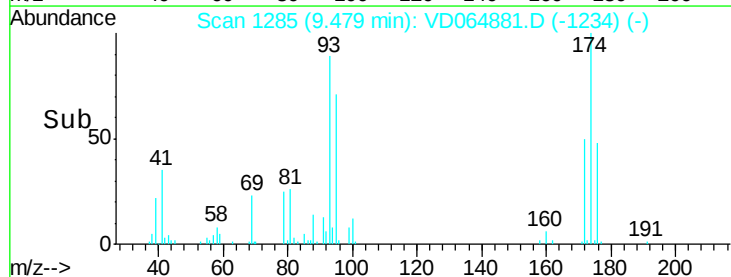
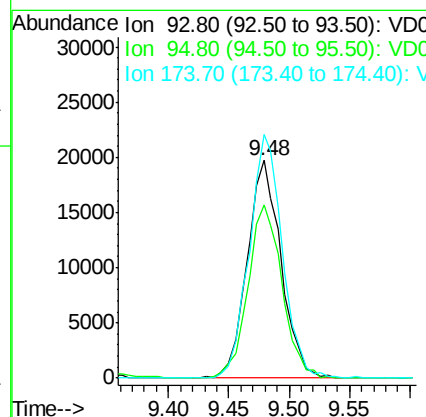
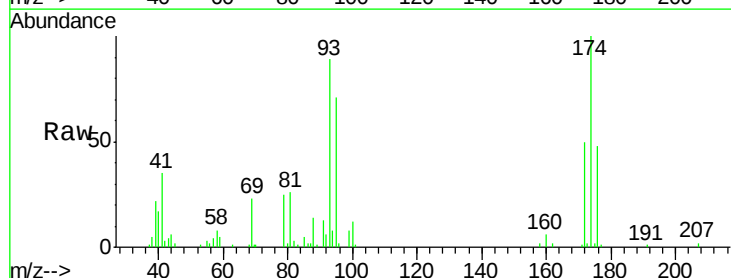
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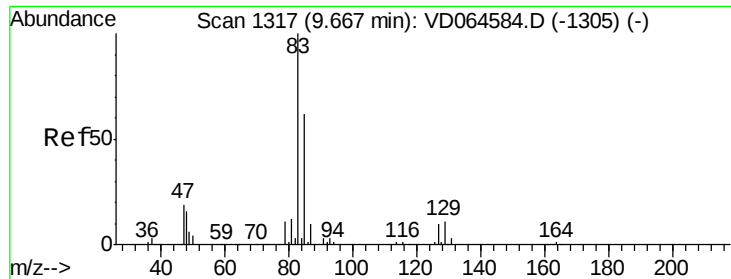
MMDadoda
 1/21/2020 9:23:21 AM



#46
 Dibromomethane
 Concen: 20.549 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	64.6	97.0
174	109.8	88.1	132.1





#47

Bromodichloromethane

Concen: 22.397 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

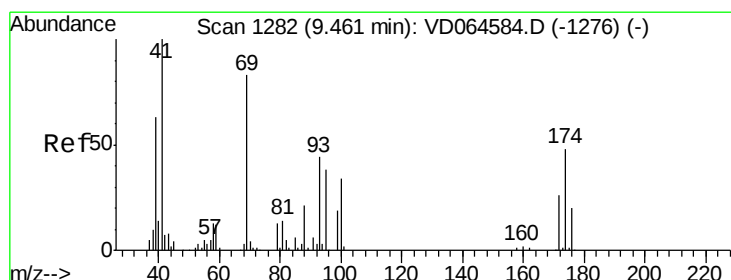
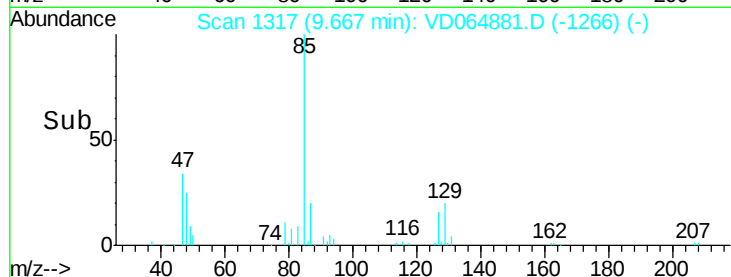
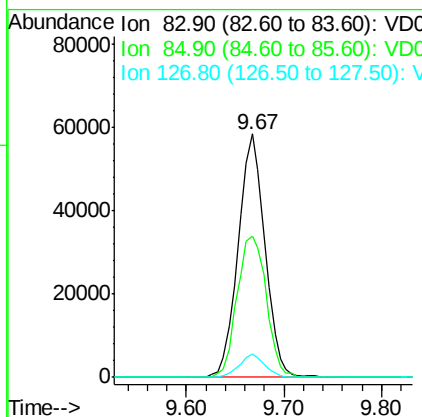
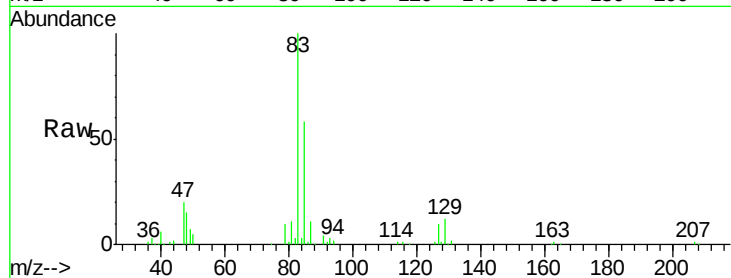
ClientSampleId :

VD0120SBS01

Tot Ion:	83	Resp:	111215
Ion	Ratio	Lower	Upper
83	100		
85	57.9	49.5	74.3
127	9.6	7.8	11.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 19.366 ug/l

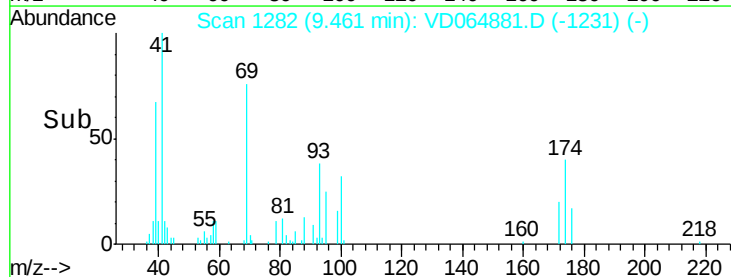
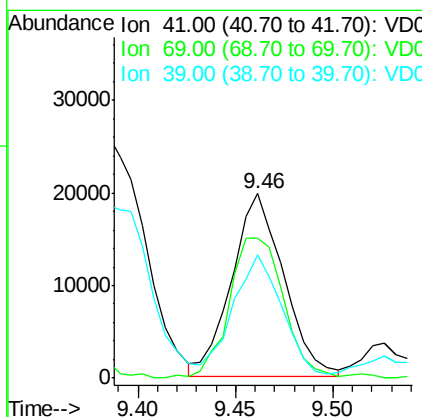
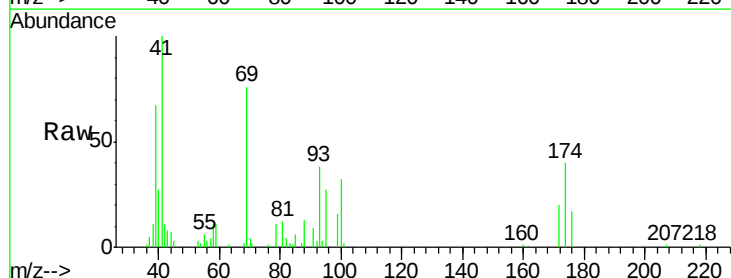
RT: 9.46 min Scan# 1282

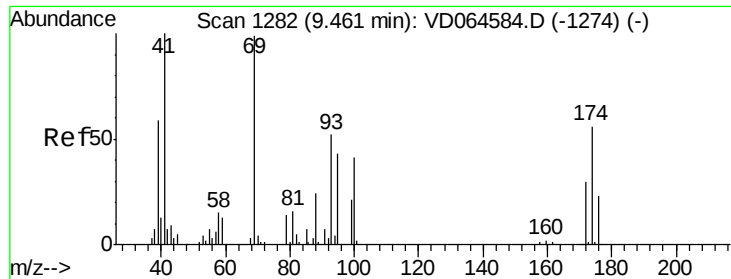
Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	41	Resp:	36615
Ion	Ratio	Lower	Upper
41	100		
69	81.1	63.0	94.6
39	59.6	47.4	71.2





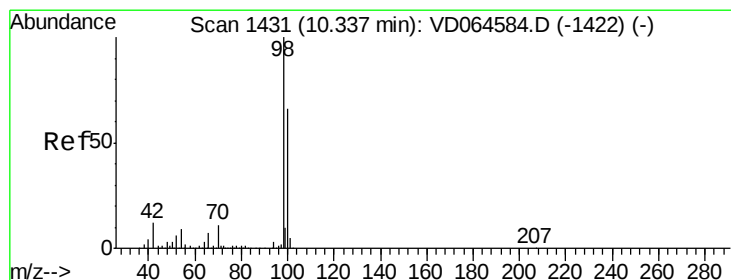
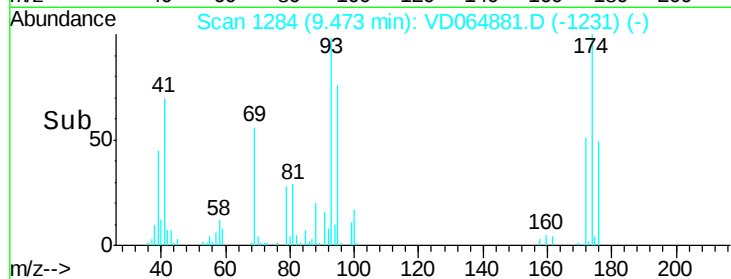
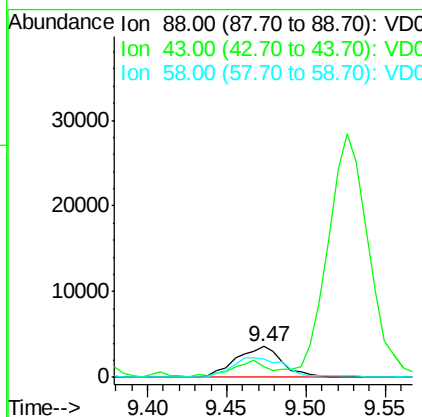
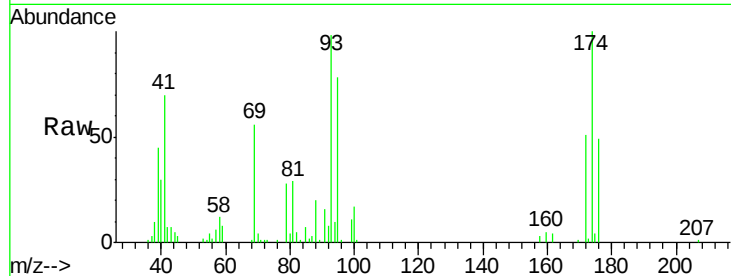
#49
1,4-Dioxane
Concen: 343.349 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	88	Resp	7388
Ion	Ratio	Lower	Upper
88	100		
43	40.6	27.7	41.5
58	71.7	53.8	80.6

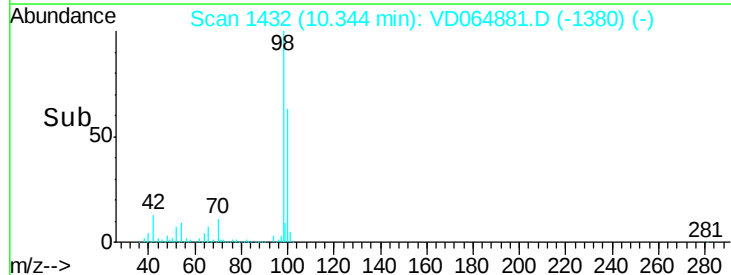
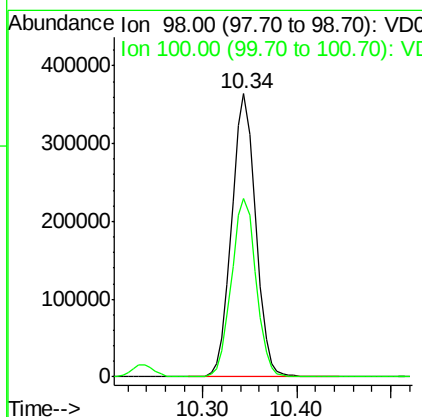
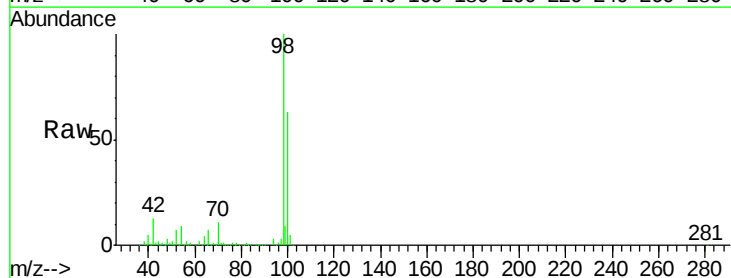
Manual Integrations
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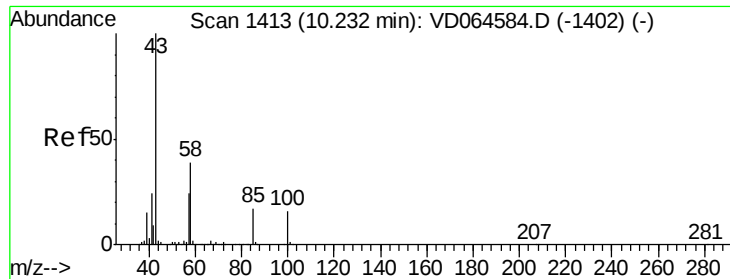
MMDadoda
1/21/2020 9:23:21 AM



#50
Toluene-d8
Concen: 51.592 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	98	Resp	646765
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 88.702 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion: 43 Resp: 176047

Ion Ratio Lower Upper

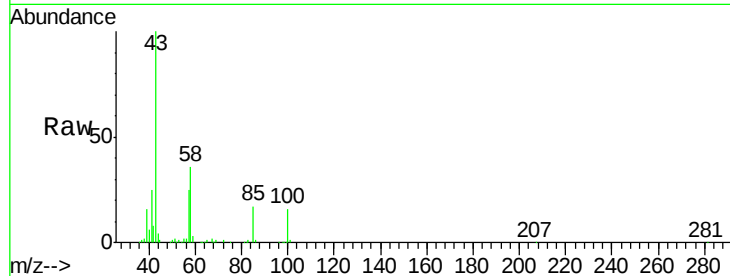
43 100

58 37.5 30.2 45.2

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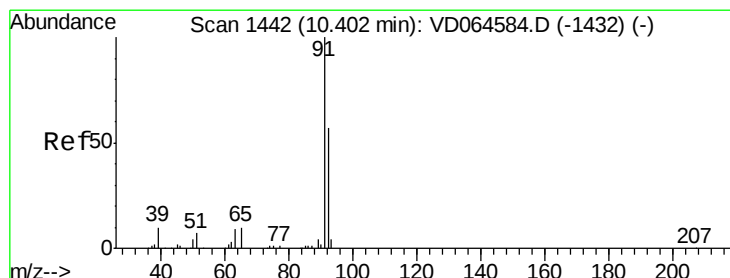
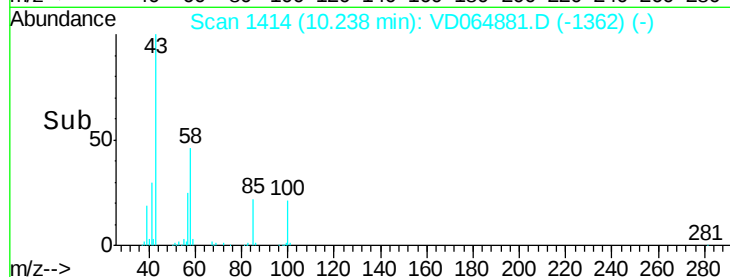
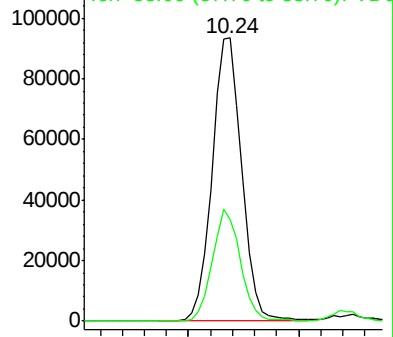
MMDadoda

1/21/2020 9:23:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.641 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064881.D

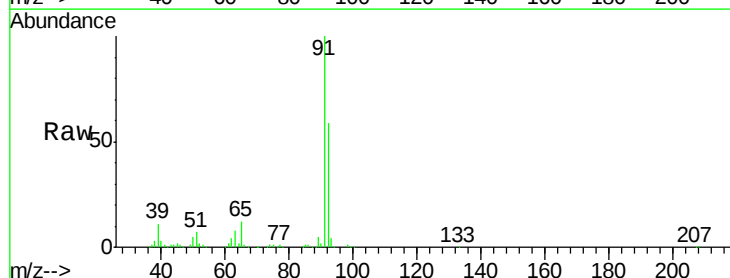
Acq: 20 Jan 2020 10:50

Tgt Ion: 92 Resp: 208233

Ion Ratio Lower Upper

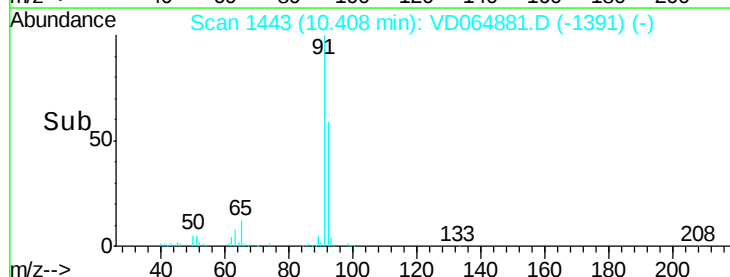
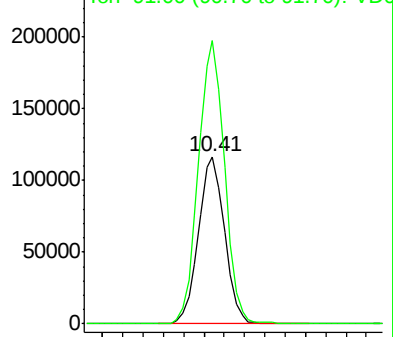
92 100

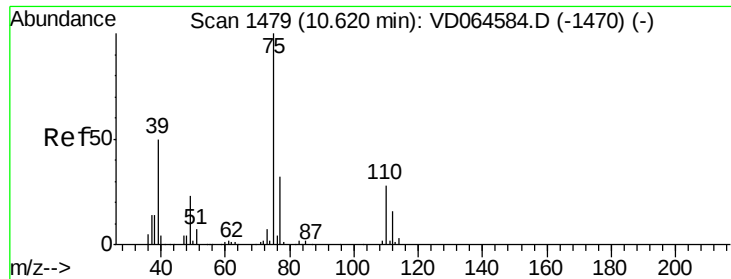
91 169.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





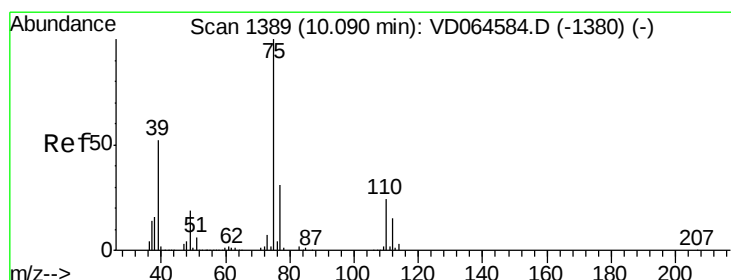
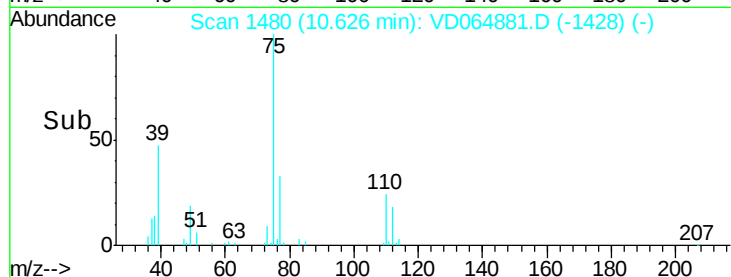
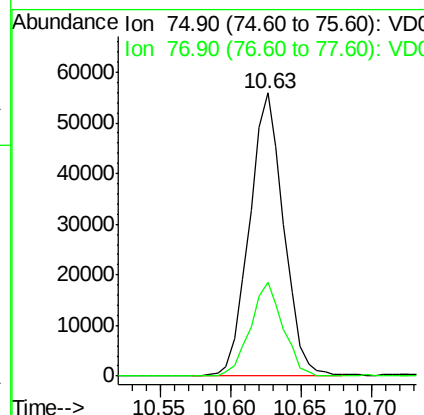
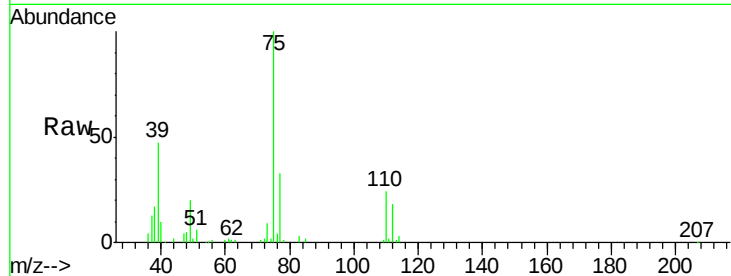
#53
t-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.2

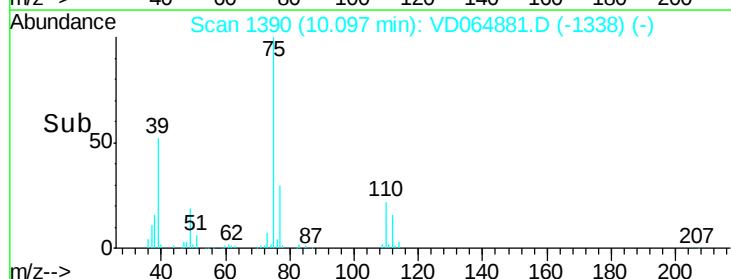
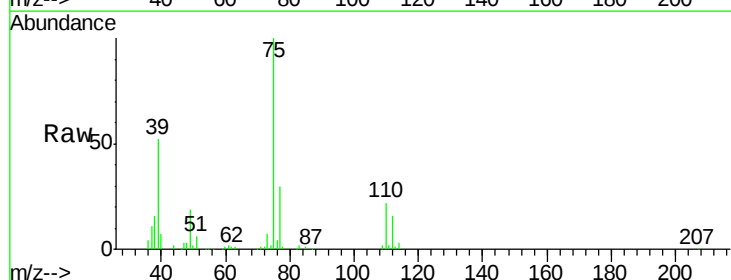
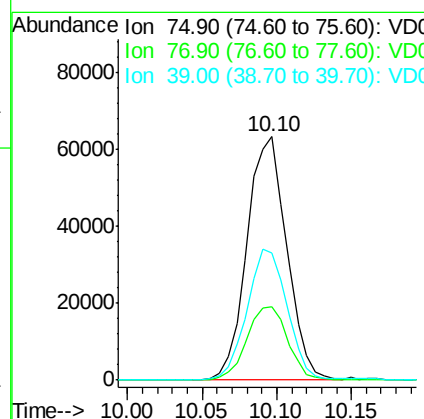
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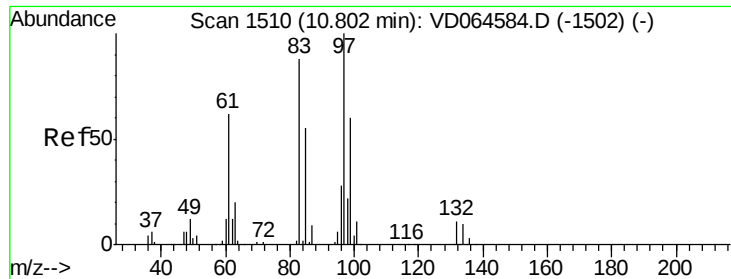
MMDadoda
1/21/2020 9:23:21 AM



#54
cis-1,3-Dichloropropene
Concen: 21.430 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.6	36.8
39	51.7	41.4	62.2





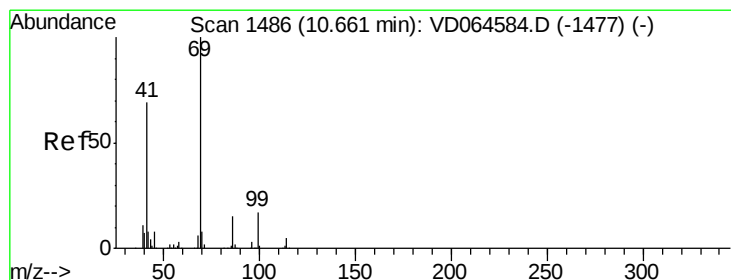
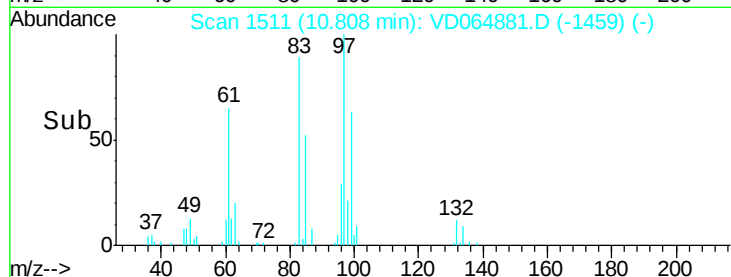
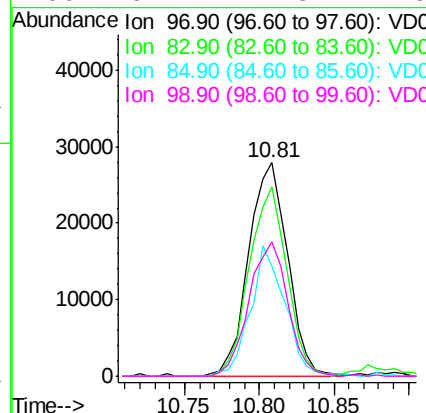
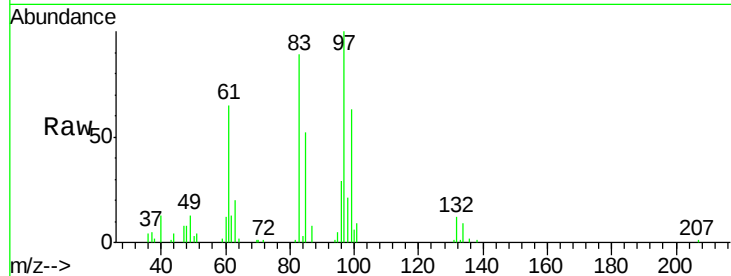
#55
 1,1,2-Trichloroethane
 Concen: 20.040 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.2	105.4
85	51.7	44.0	66.0
99	62.7	47.8	71.6

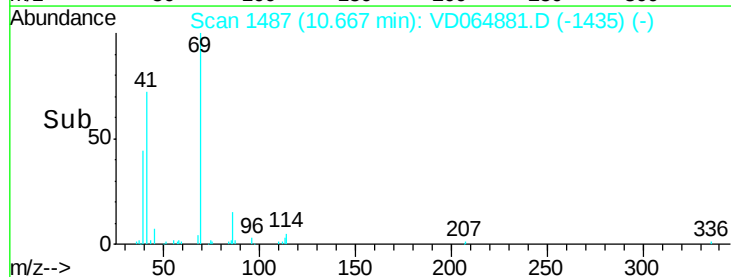
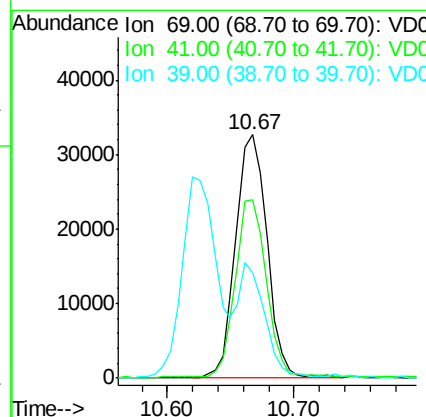
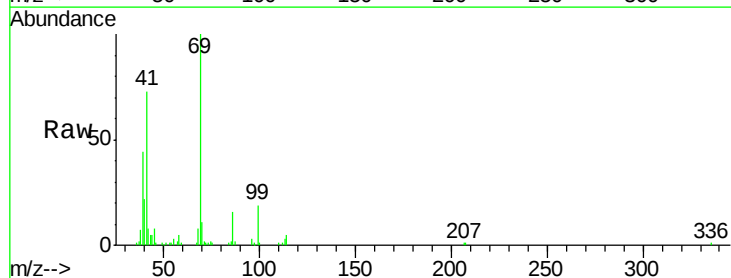
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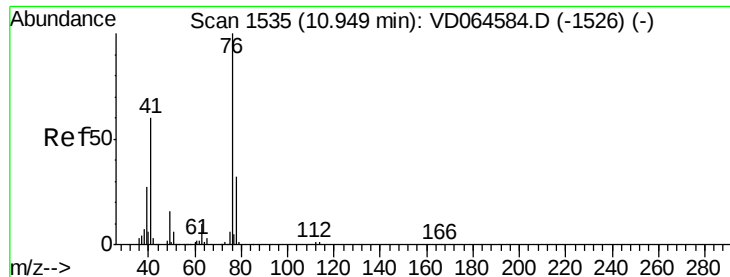
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#56
 Ethyl methacrylate
 Concen: 17.900 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.3	82.9
39	39.0	33.8	50.8





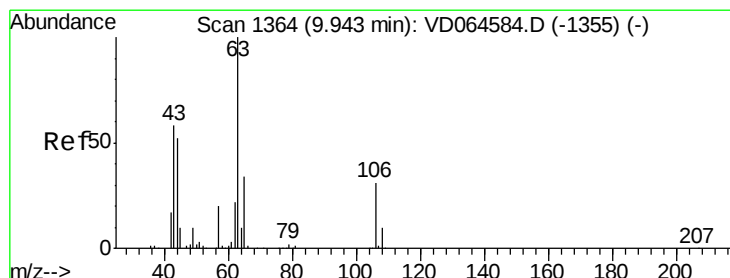
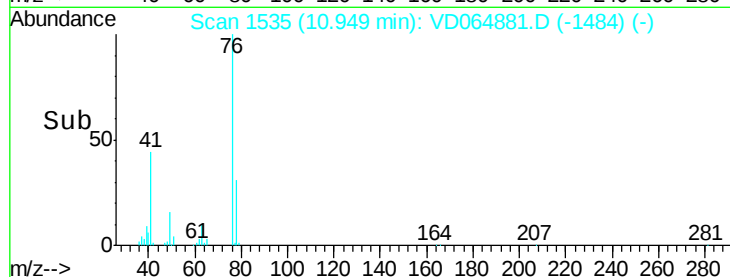
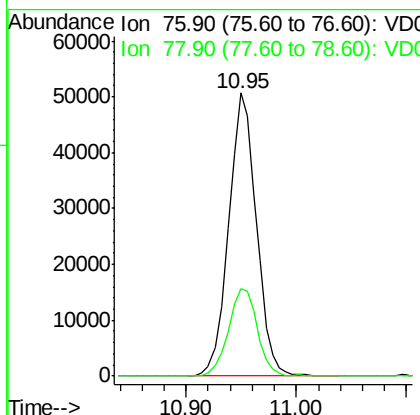
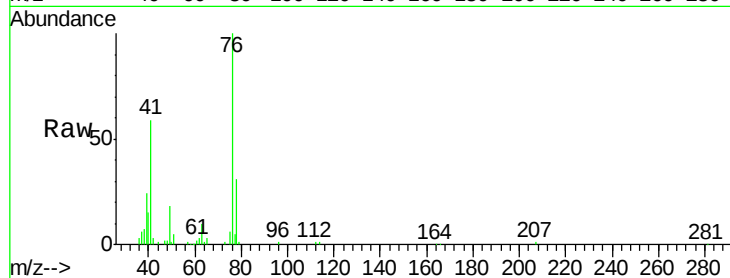
#57
 1,3-Dichloropropane
 Concen: 20.577 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

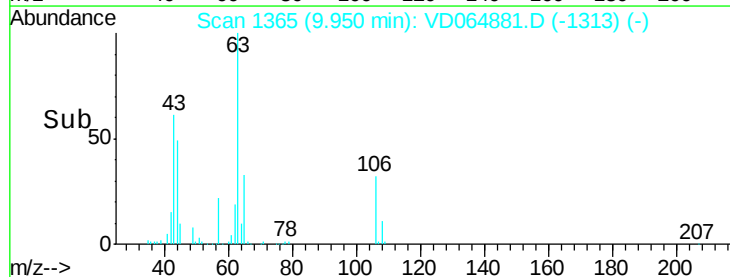
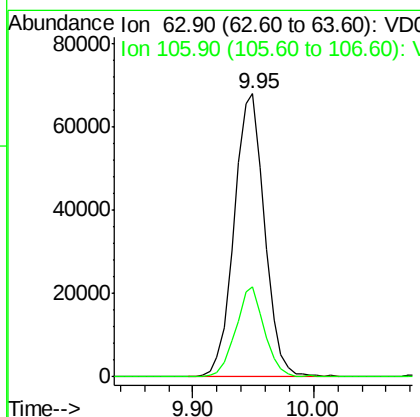
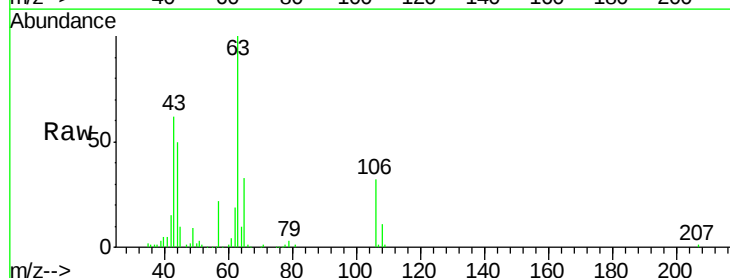
Manual Integrations
 APPROVED

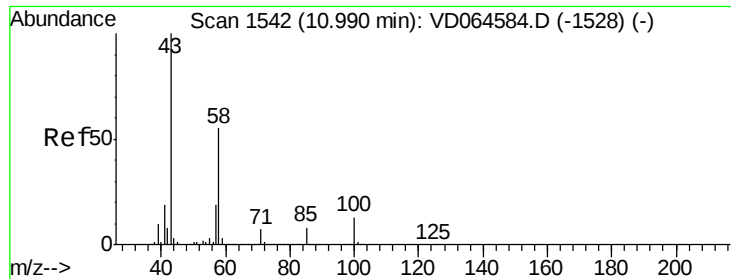
MMDadoda
 1/21/2020 9:23:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.094 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.8	35.8





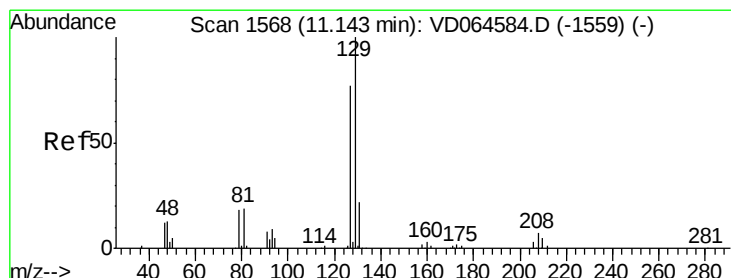
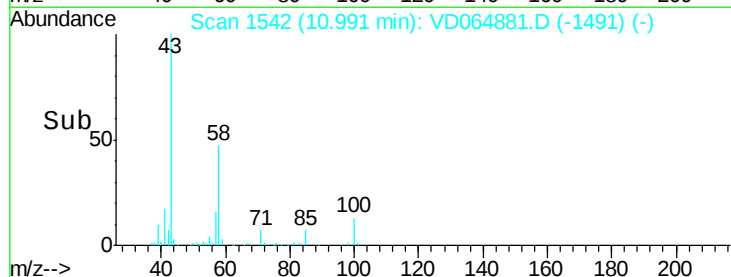
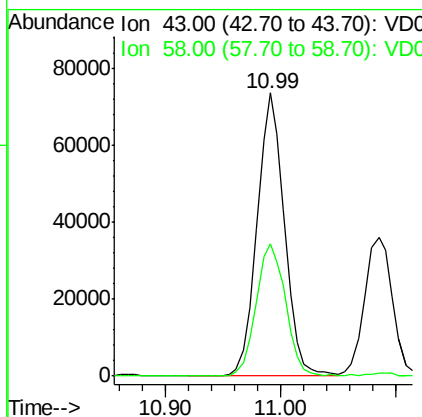
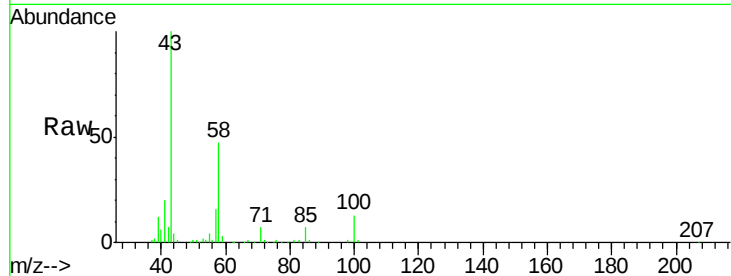
#59
2-Hexanone
Concen: 90.483 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion: 43 Resp: 121886
Ion Ratio Lower Upper
43 100
58 49.9 26.4 79.0

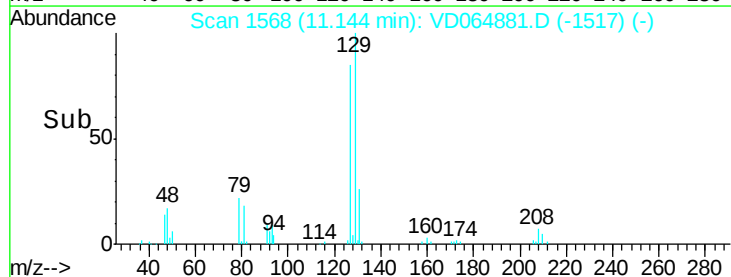
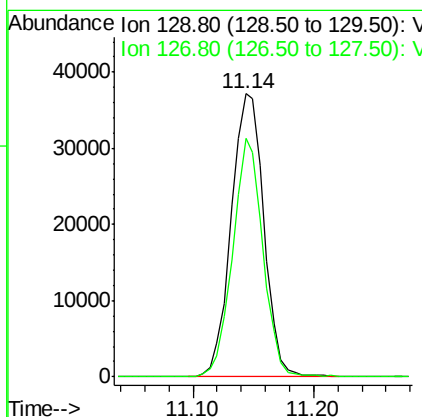
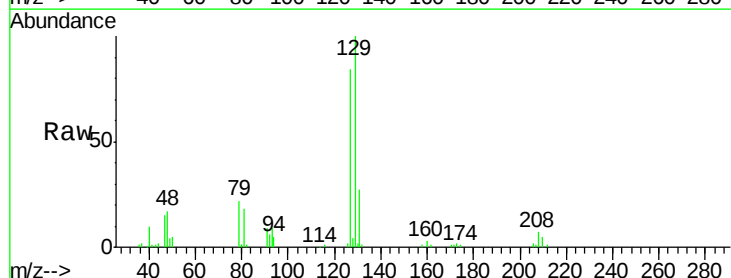
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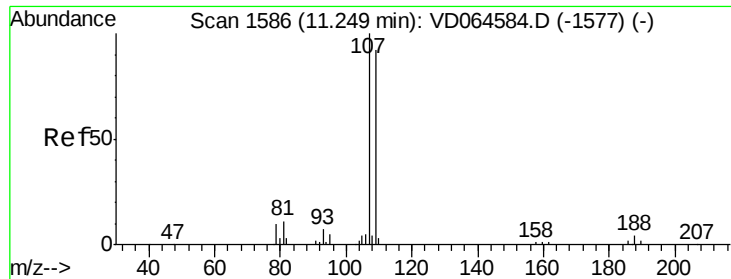
MMDadoda
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#60
Dibromochloromethane
Concen: 20.078 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 129 Resp: 69825
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2





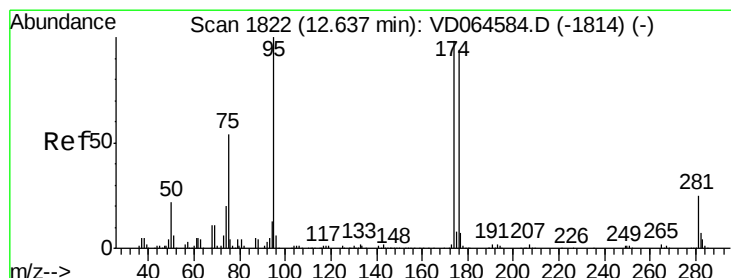
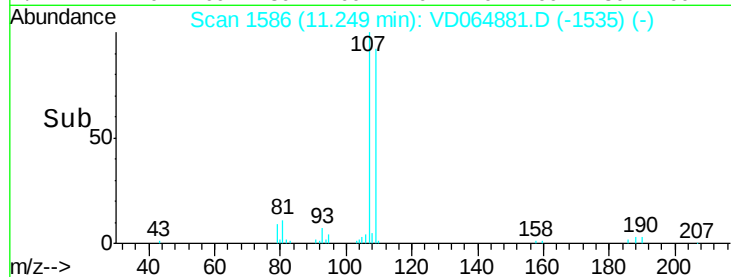
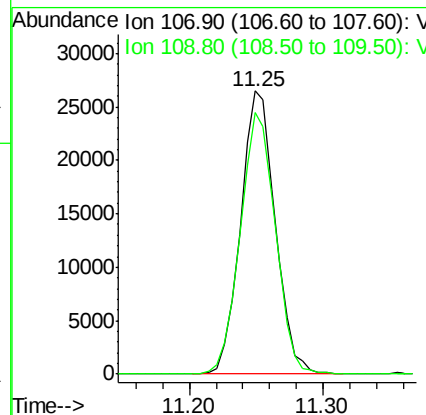
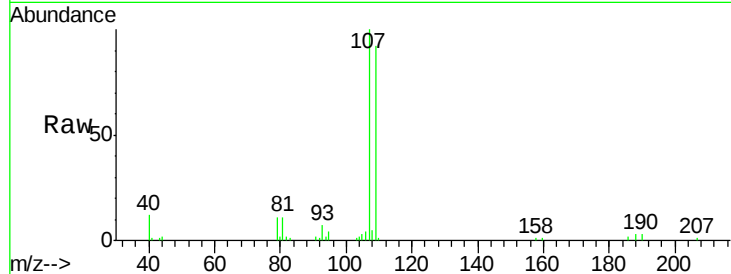
#61
 1,2-Dibromoethane
 Concen: 19.100 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion: 107 Resp: 47378
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4

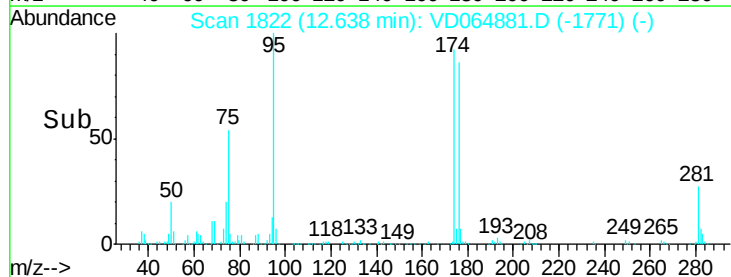
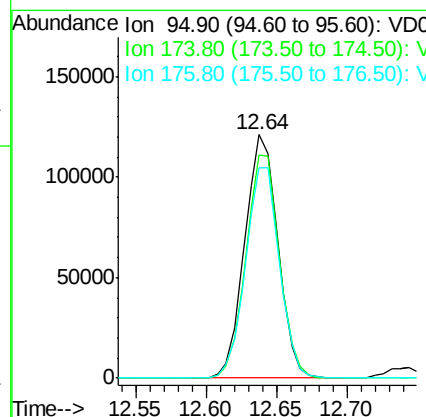
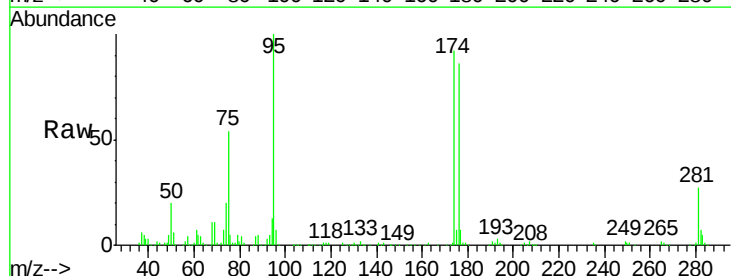
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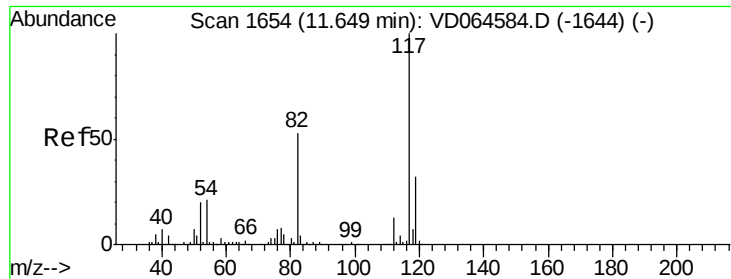
MMDadoda
 1/21/2020 9:23:21 AM



#62
 4-Bromofluorobenzene
 Concen: 50.400 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 95 Resp: 199790
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 193.2
 176 88.2 0.0 184.2





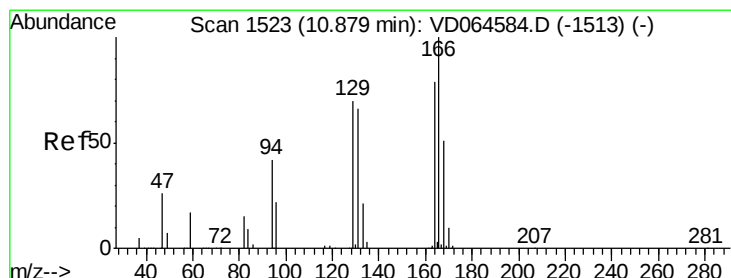
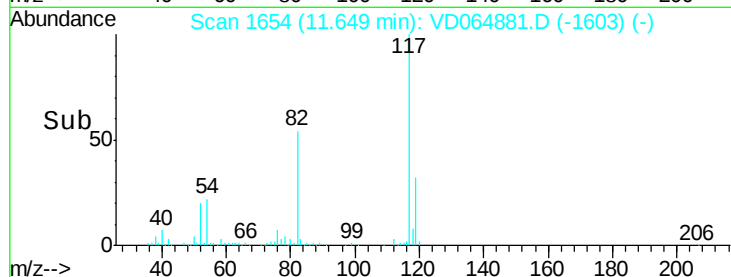
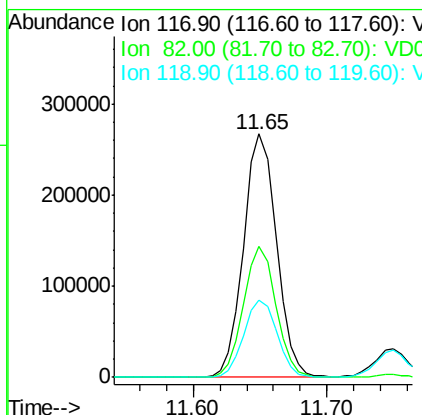
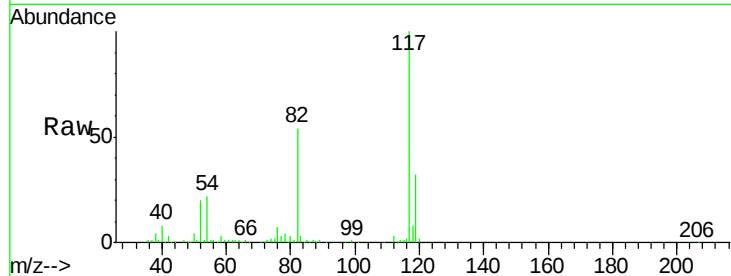
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	457220		
82	53.8		42.2	63.4
119	31.6		26.0	39.0

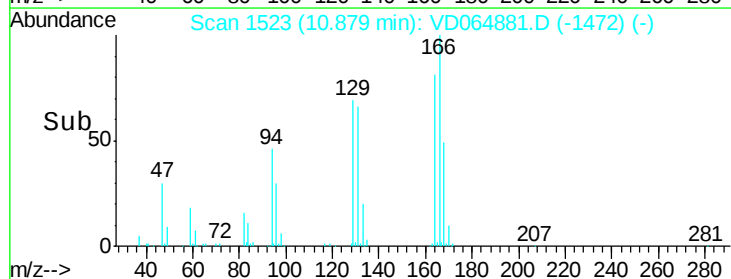
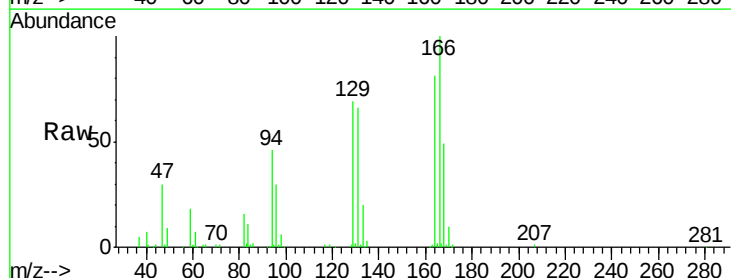
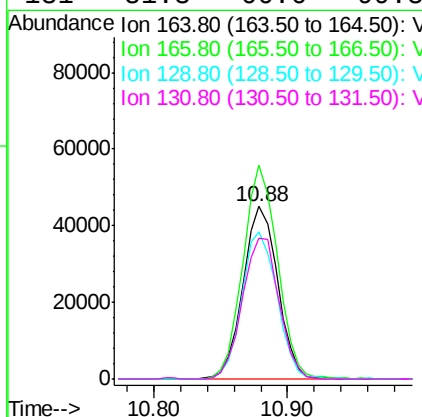
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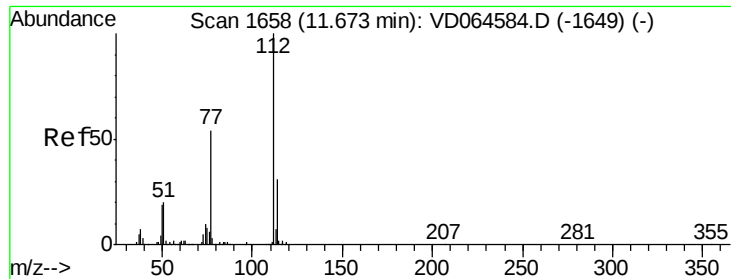
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#64
Tetrachloroethene
Concen: 23.022 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80754		
166	123.7		101.3	151.9
129	85.3		70.5	105.7
131	81.3		66.6	99.8





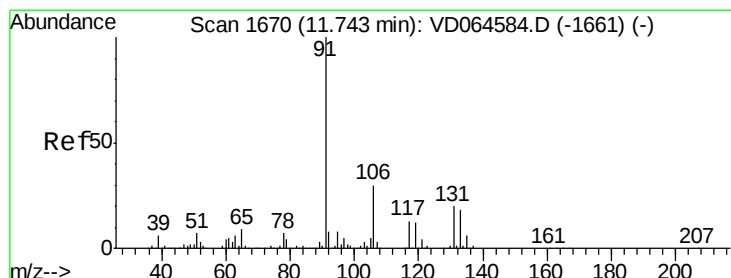
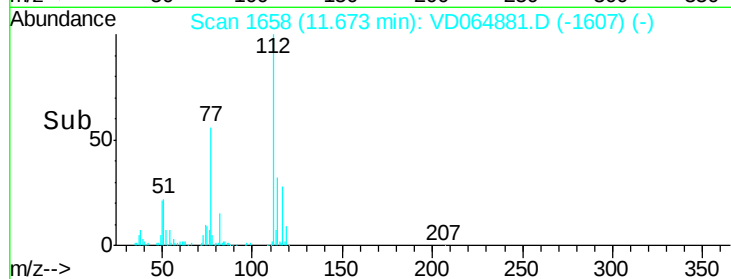
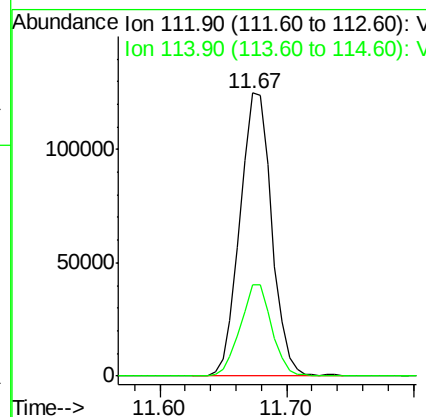
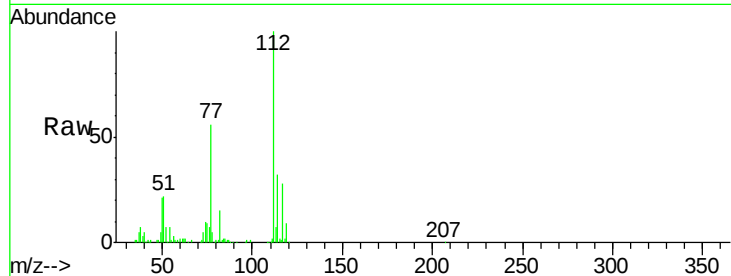
#65
Chlorobenzene
Concen: 22.914 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.8	37.2

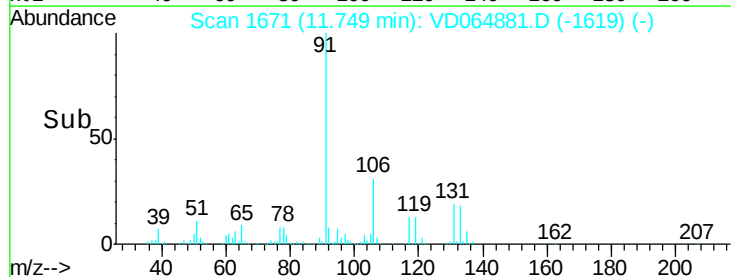
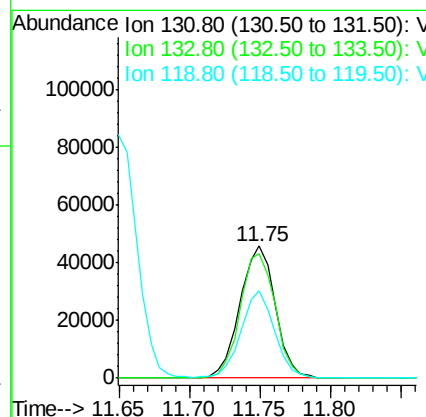
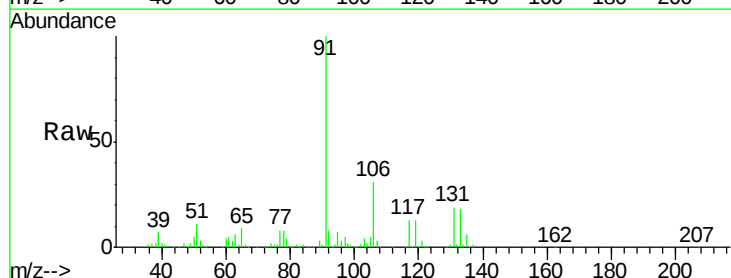
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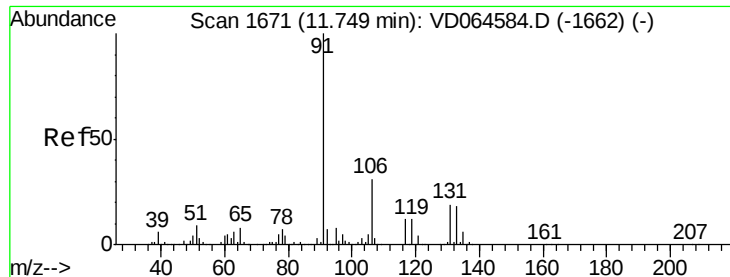
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.368 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.3	144.8
119	63.2	32.1	96.3





#67

Ethyl Benzene

Concen: 22.743 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion: 91 Resp: 391734

Ion Ratio Lower Upper

91 100

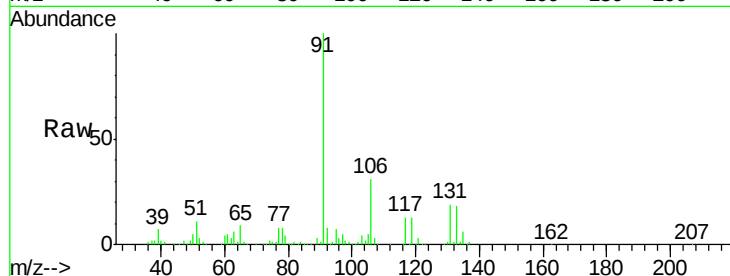
106 31.4 24.6 36.8

Manual Integrations

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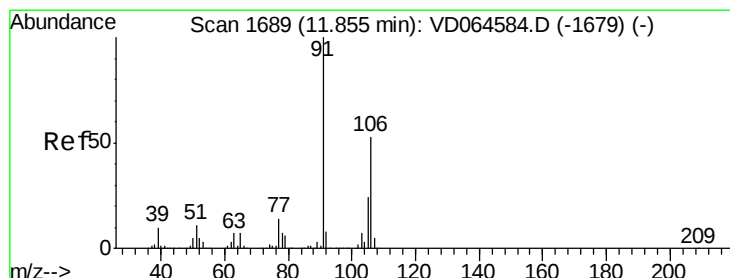
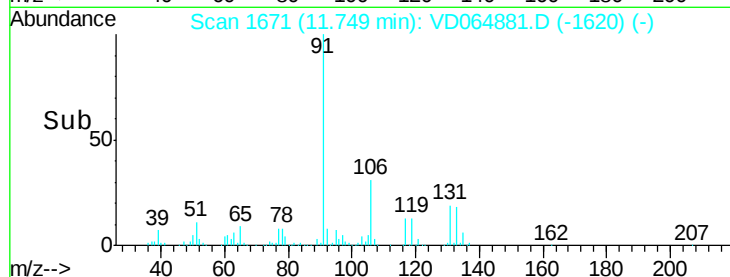
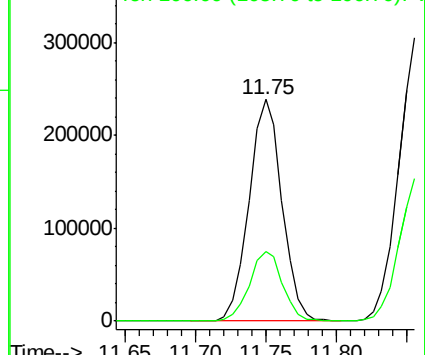
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.804 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064881.D

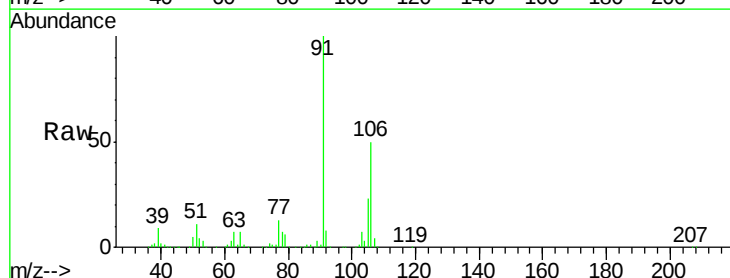
Acq: 20 Jan 2020 10:50

Tgt Ion: 106 Resp: 297864

Ion Ratio Lower Upper

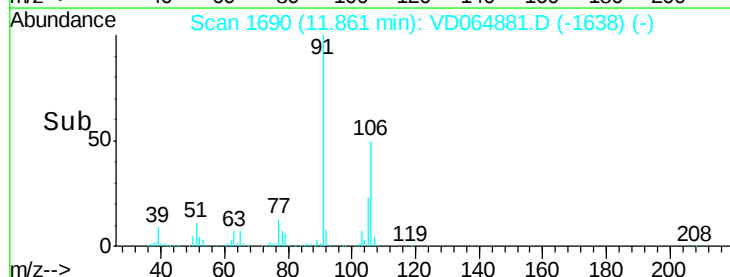
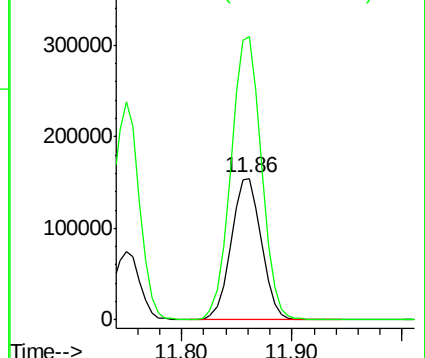
106 100

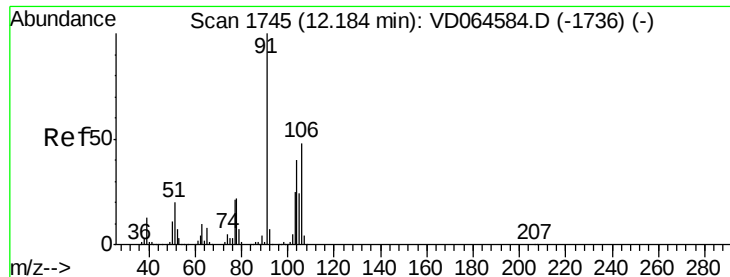
91 201.7 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





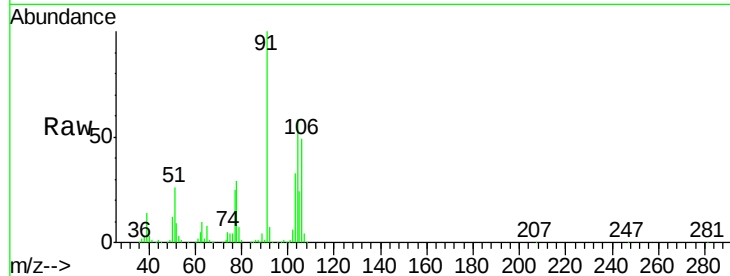
#69
o-Xylene
Concen: 21.610 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

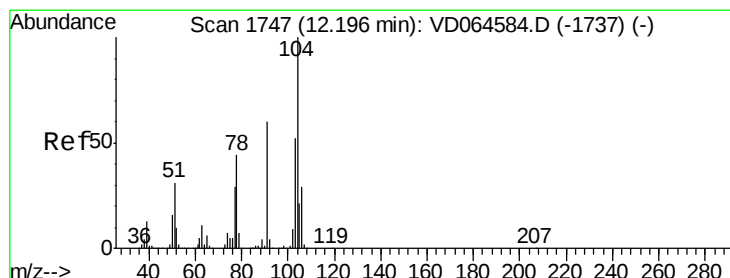
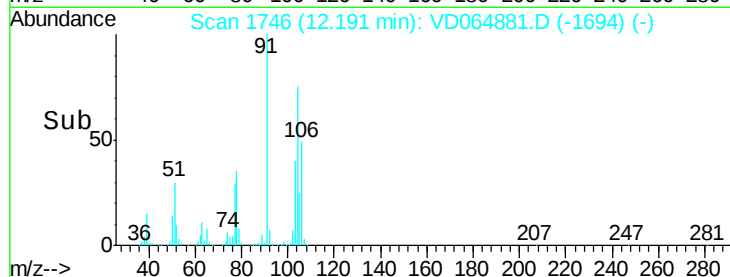
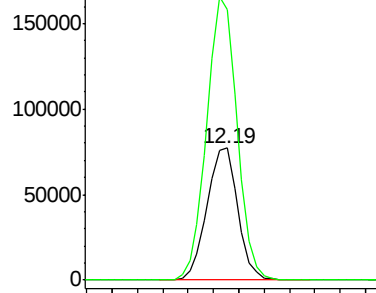
Tot Ion:106 Resp: 129765
Ion Ratio Lower Upper
106 100
91 211.6 104.8 314.4

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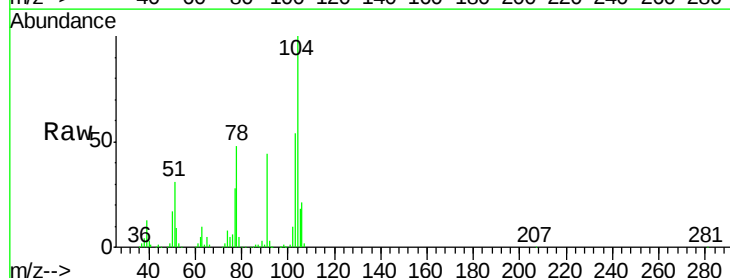


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

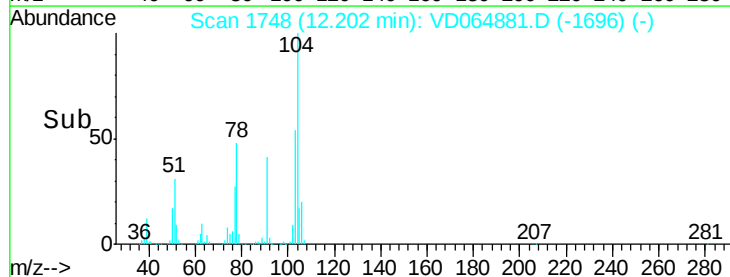
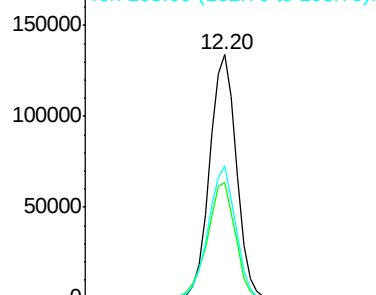


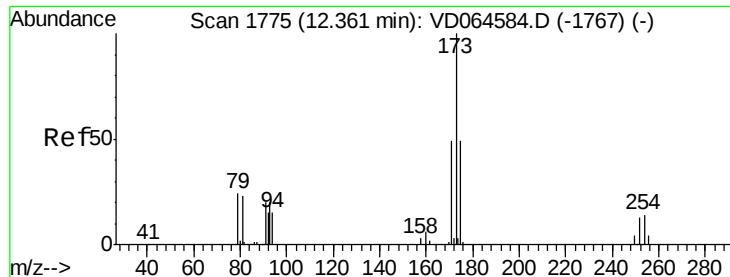
#70
Styrene
Concen: 21.652 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion:104 Resp: 228218
Ion Ratio Lower Upper
104 100
78 49.7 38.2 57.2
103 55.6 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





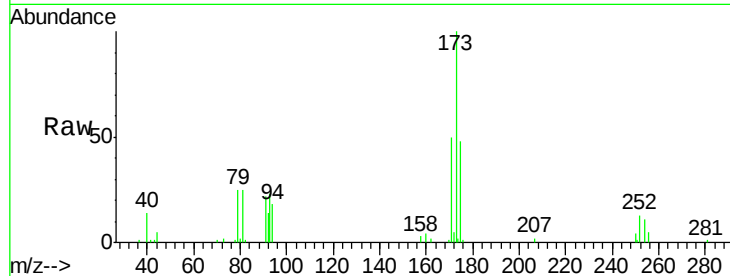
#71
Bromoform
Concen: 19.029 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.3	24.6	73.8
254	0.0	0.1	0.1#

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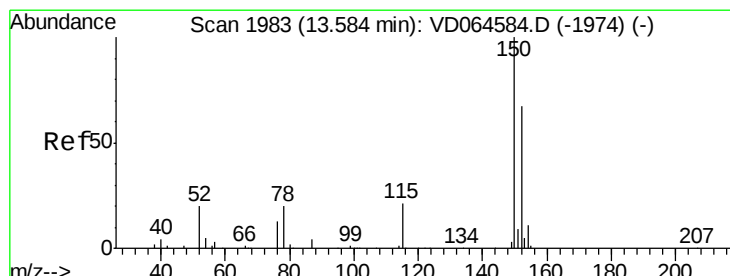
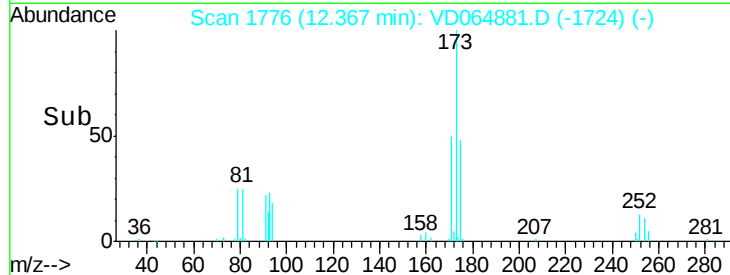
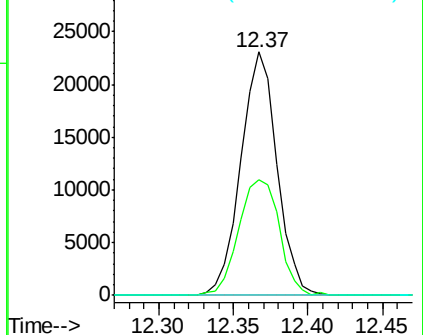


Abundance

Ion 172.70 (172.40 to 173.40): V

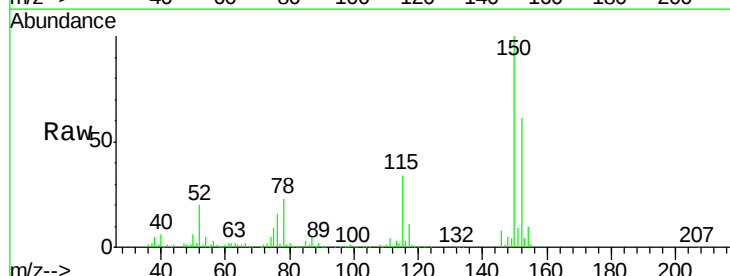
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.8	83.4
150	163.9	0.0	351.4

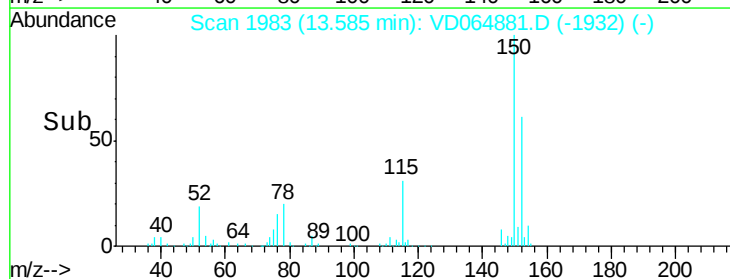
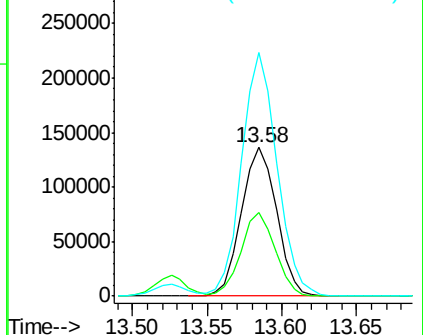


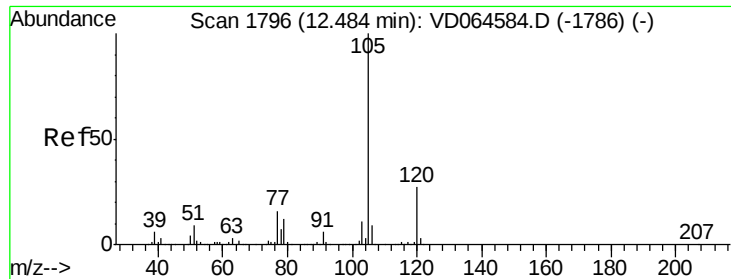
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





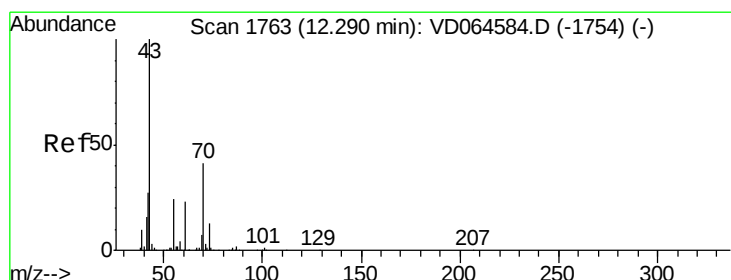
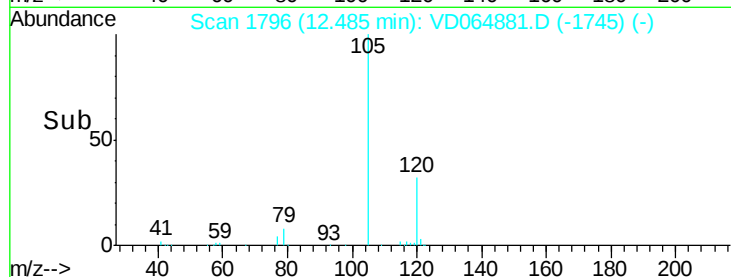
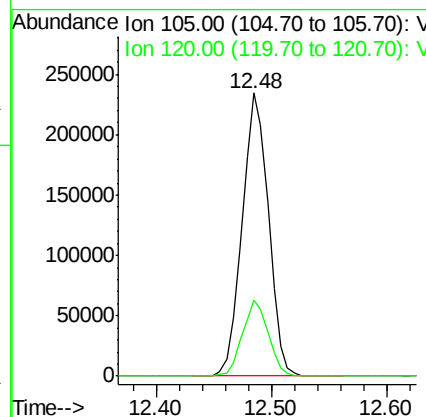
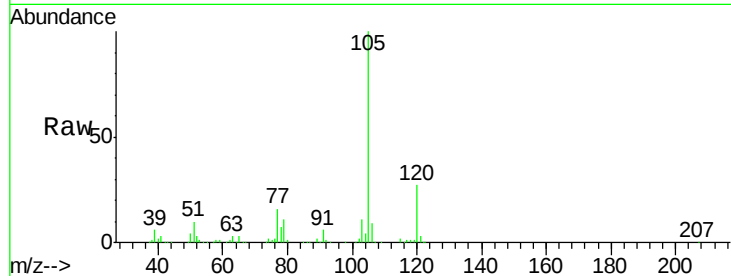
#73
Isopropylbenzene
Concen: 23.215 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	370051		
120	26.3		13.5	40.5

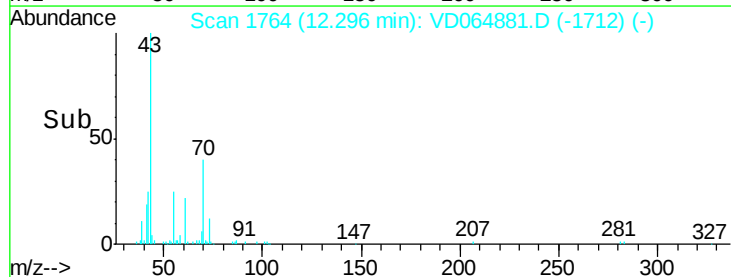
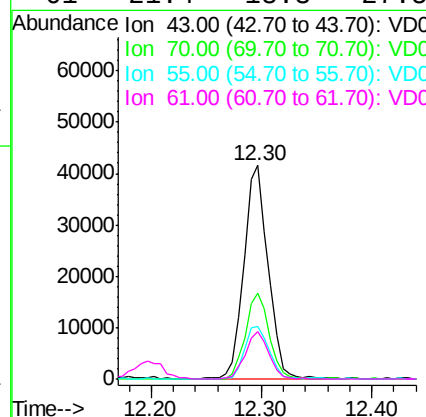
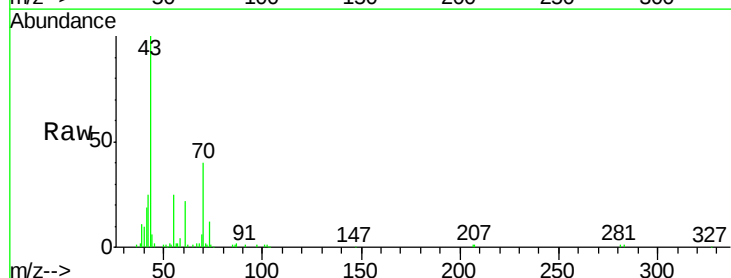
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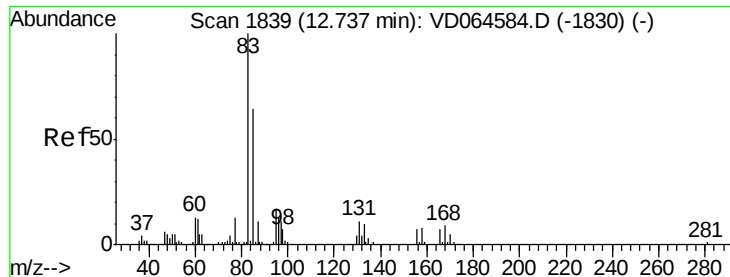
MMDadoda
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#74
N-ethyl acetate
Concen: 18.884 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	64348		
70	39.3		33.4	50.0
55	24.9		19.4	29.0
61	21.4		18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

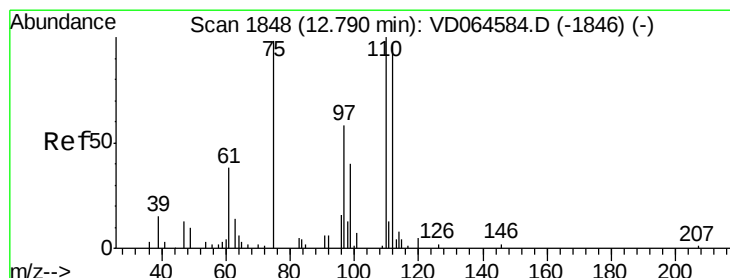
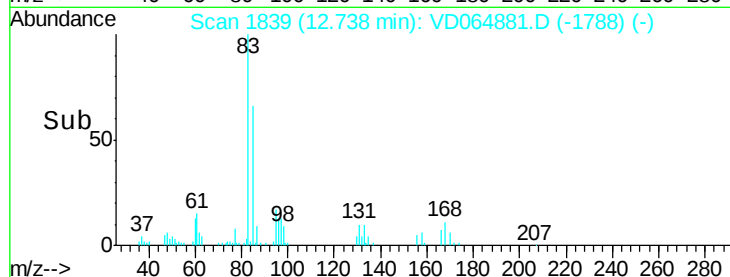
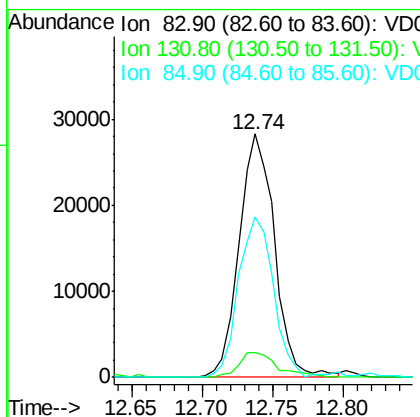
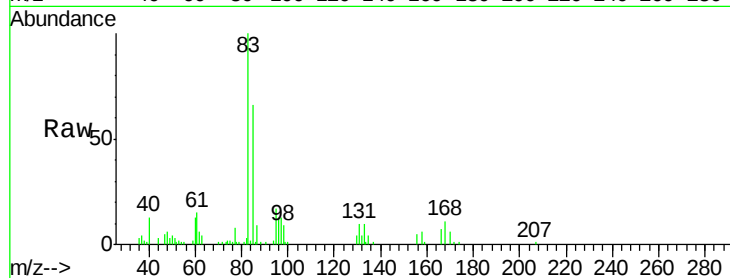
ClientSampleId :

VD0120SBS01

Tot Ion:	83	Resp:	49656
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.4
85	65.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.896 ug/l m

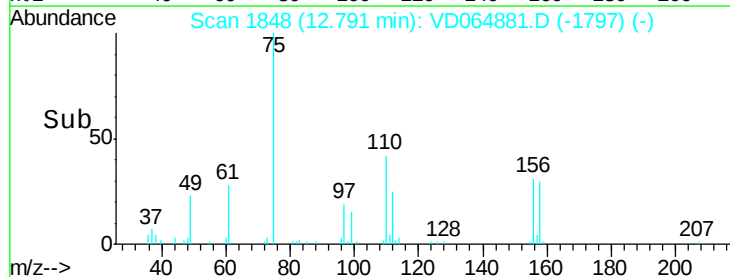
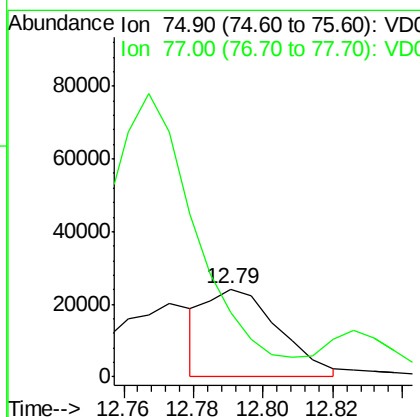
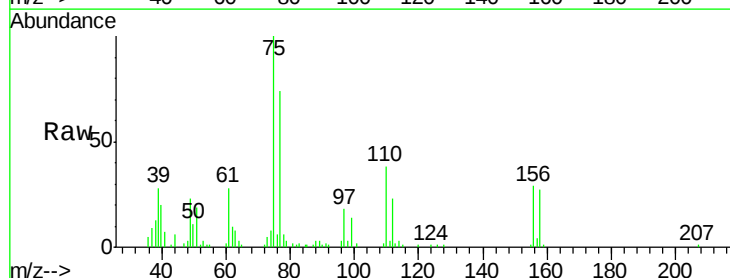
RT: 12.79 min Scan# 1848

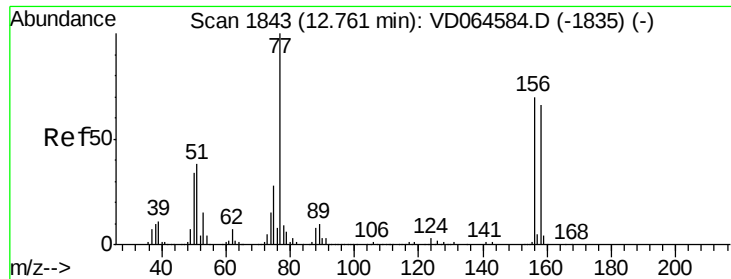
Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	75	Resp:	35046
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





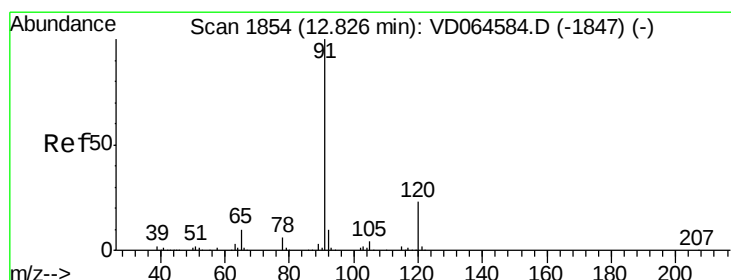
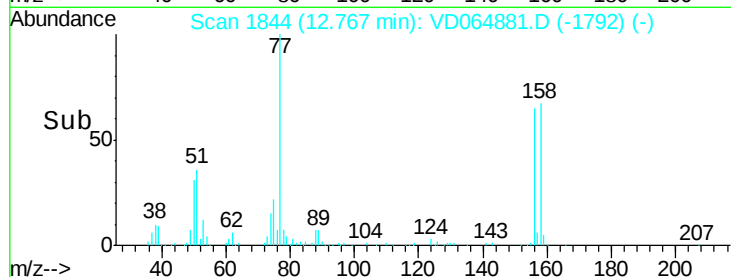
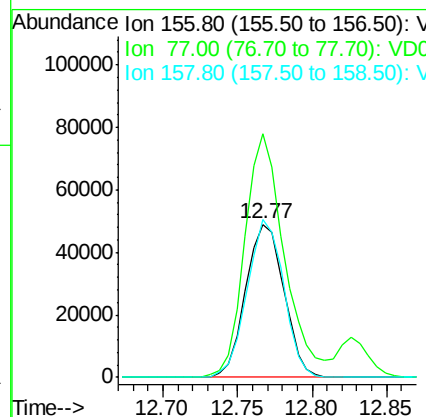
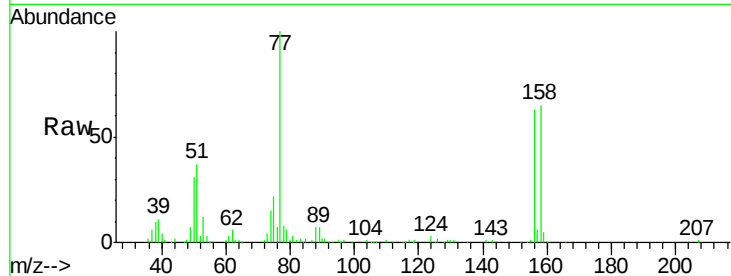
#77
Bromobenzene
Concen: 22.104 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		86575		
77	164.3	80.9	242.7		
158	98.8	48.0	144.2		

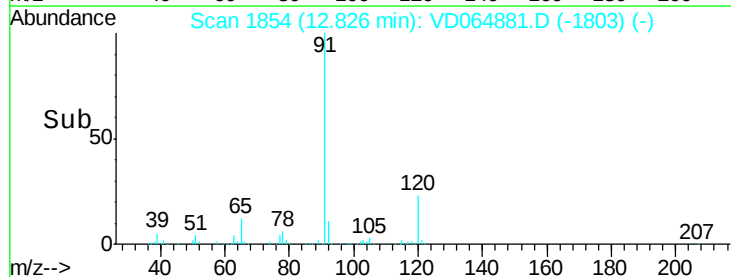
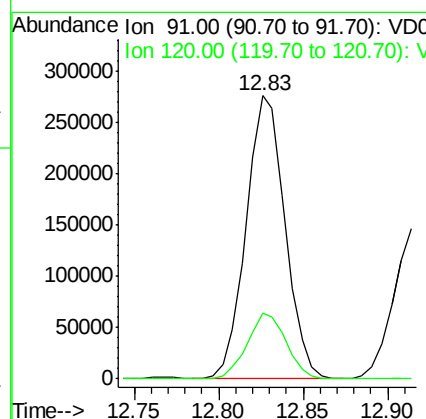
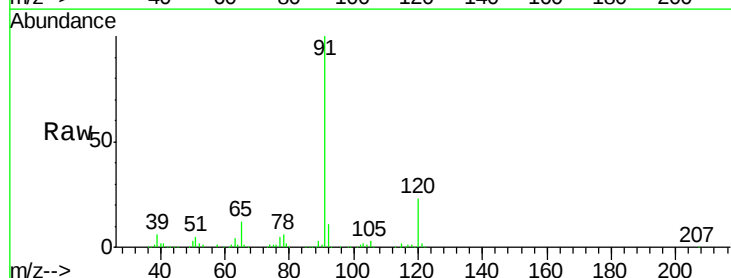
Manual Integrations
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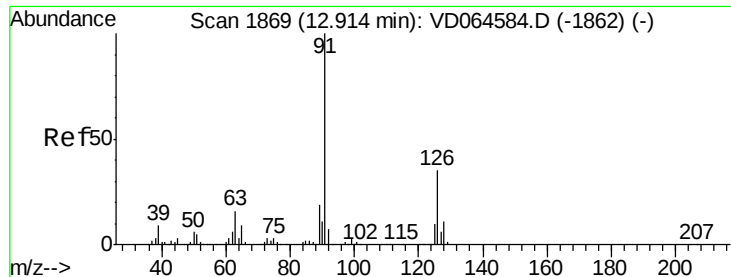
MMDadoda
1/21/2020 9:23:21 AM



#78
n-propylbenzene
Concen: 23.771 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		442064		
120	23.4	11.9	35.9		





#79

2-Chlorotoluene

Concen: 23.833 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion: 91 Resp: 243469

Ion Ratio Lower Upper

91 100

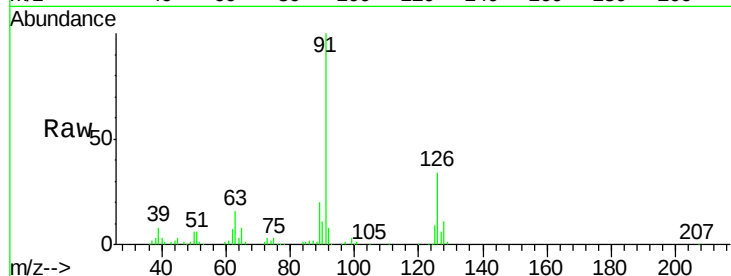
126 35.0 17.8 53.5

Manual Integrations

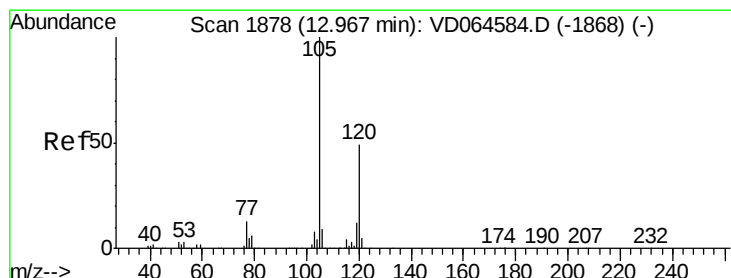
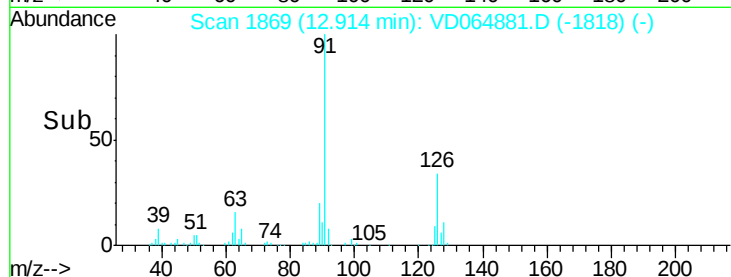
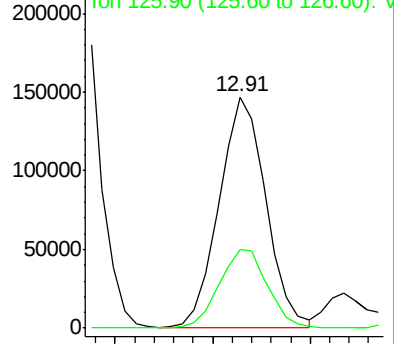
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Abundance Ion 91.00 (90.70 to 91.70): VD064881.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.123 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064881.D

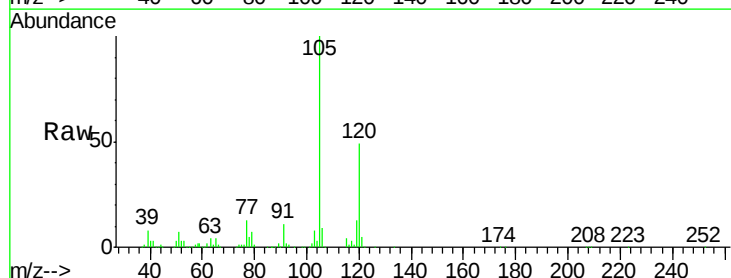
Acq: 20 Jan 2020 10:50

Tgt Ion:105 Resp: 302779

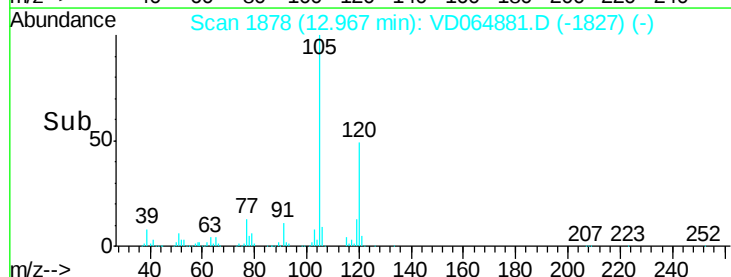
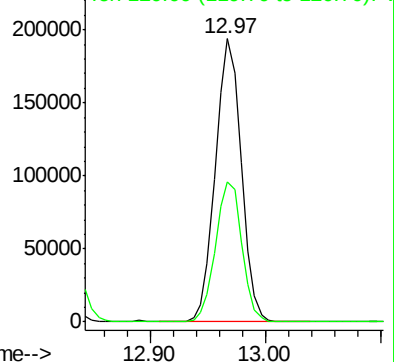
Ion Ratio Lower Upper

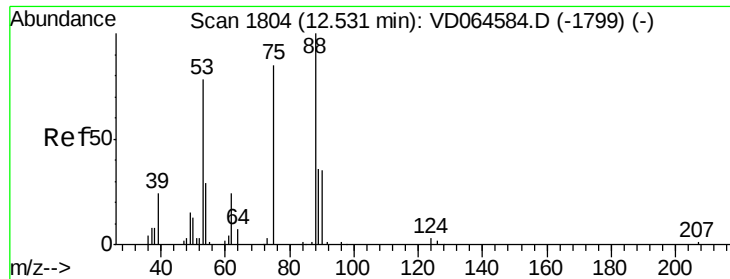
105 100

120 50.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064881.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.980 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

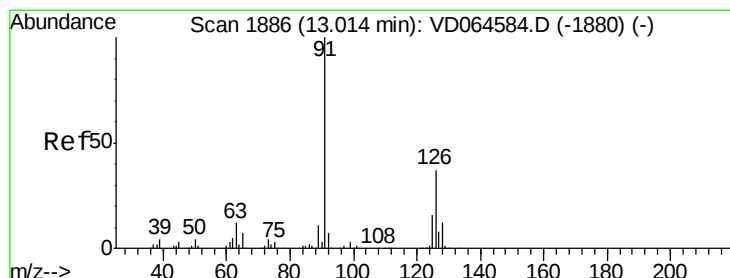
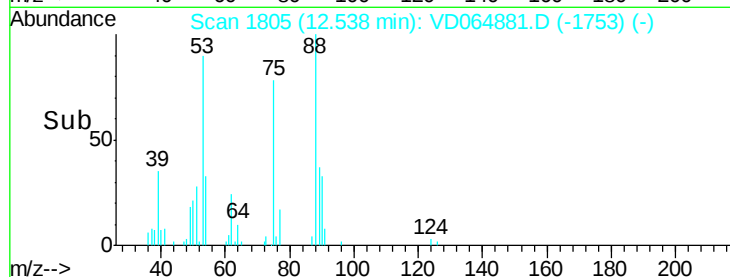
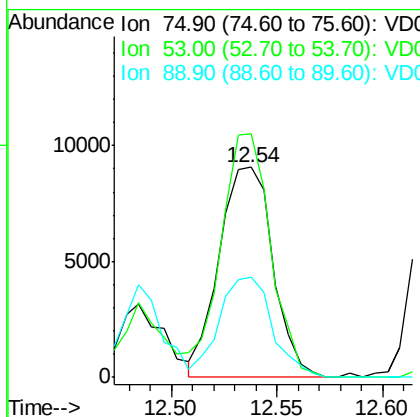
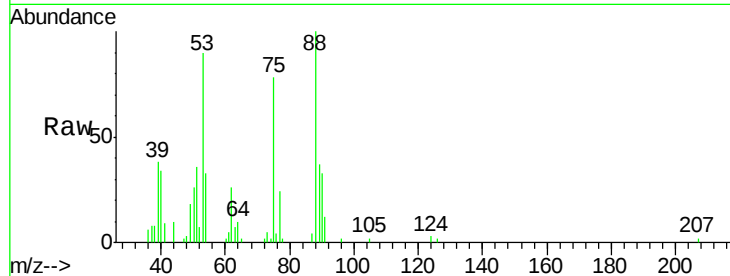
ClientSampleId :

VD0120SBS01

Tot Ion:	75	Resp:	15985
Ion Ratio	Lower	Upper	
75	100		
53	108.9	78.8	118.2
89	47.2	38.3	57.5

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#82

4-Chlorotoluene

Concen: 23.263 ug/l

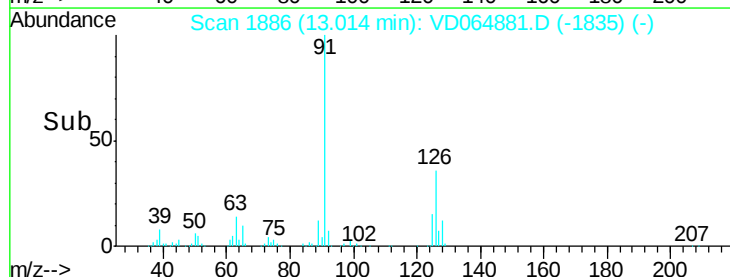
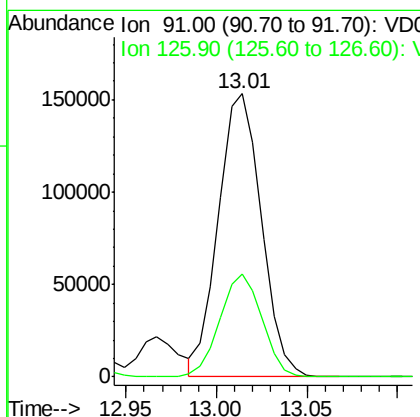
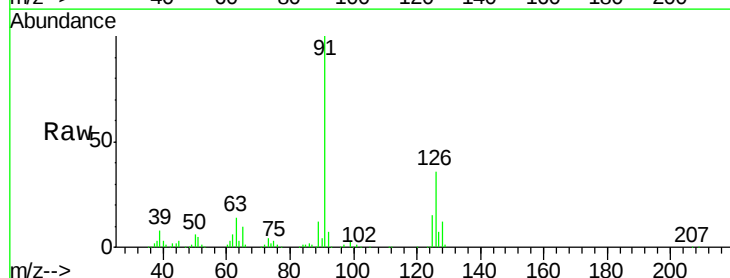
RT: 13.01 min Scan# 1886

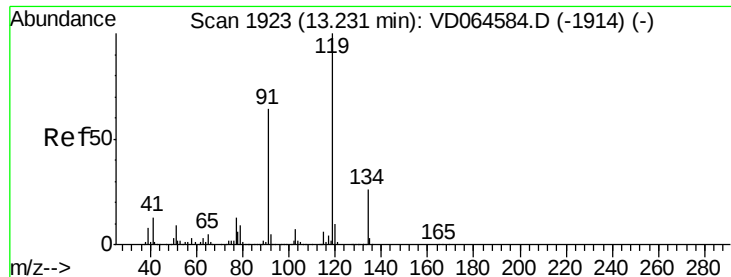
Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	91	Resp:	252905
Ion Ratio	Lower	Upper	
91	100		
126	35.6	17.8	53.5





#83

tert-Butylbenzene

Concen: 23.001 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

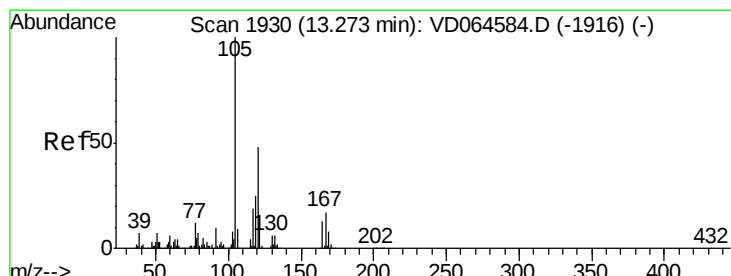
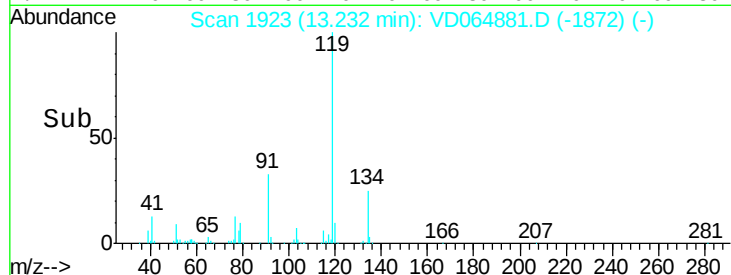
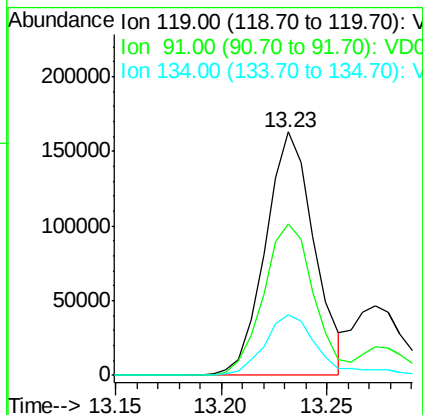
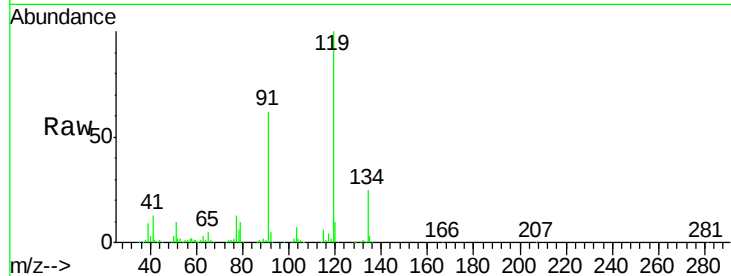
ClientSampleId :

VD0120SBS01

Tot Ion:	119	Resp:	261496
Ion Ratio	Lower	Upper	
119	100		
91	64.8	30.8	92.4
134	27.6	12.8	38.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 23.045 ug/l

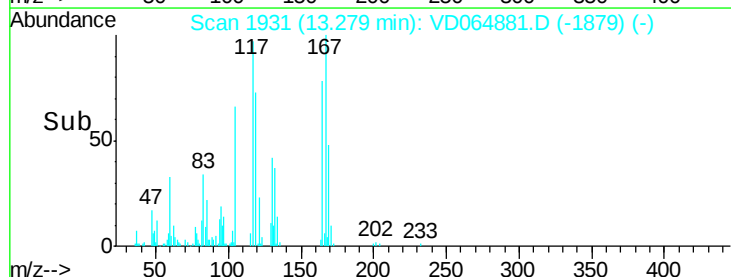
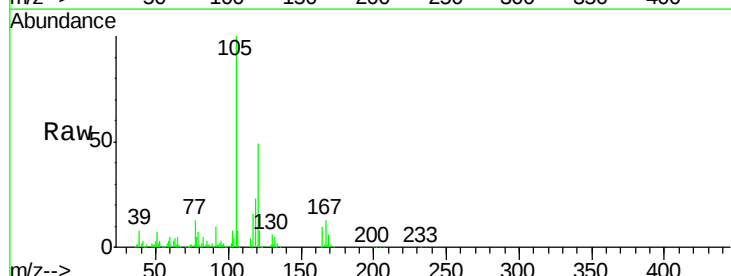
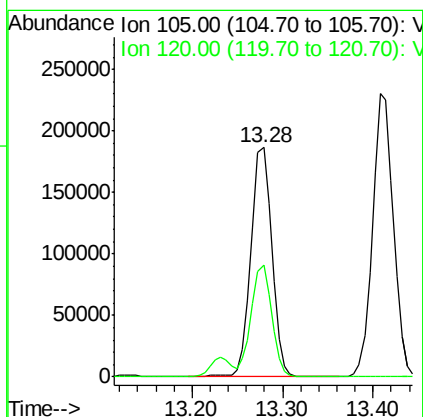
RT: 13.28 min Scan# 1931

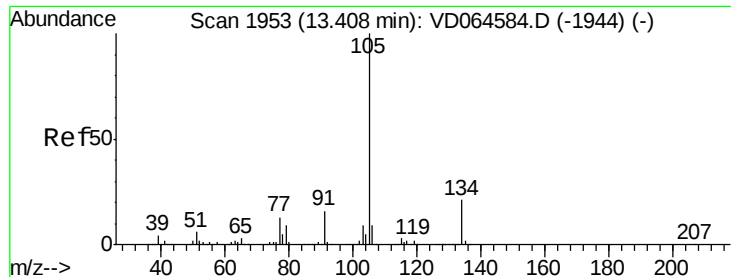
Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion:	105	Resp:	300526
Ion Ratio	Lower	Upper	
105	100		
120	47.7	23.8	71.2





#85

sec-Butylbenzene

Concen: 23.526 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0120SBS01

Tot Ion:105 Resp: 366682

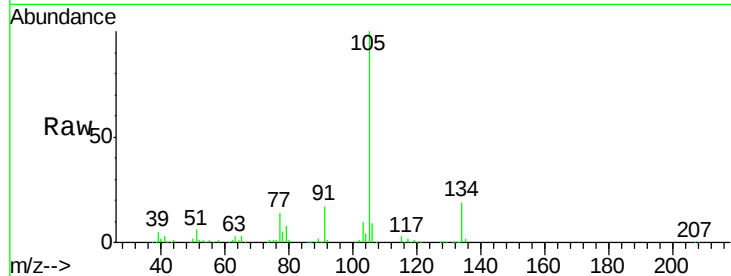
Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8

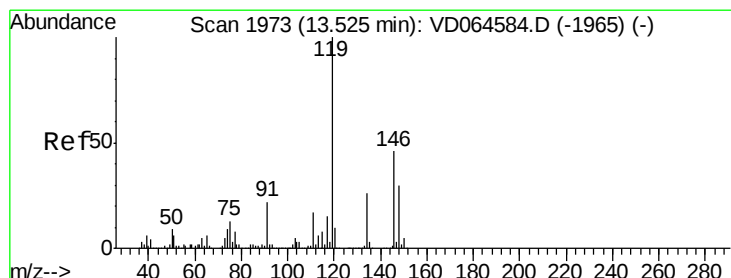
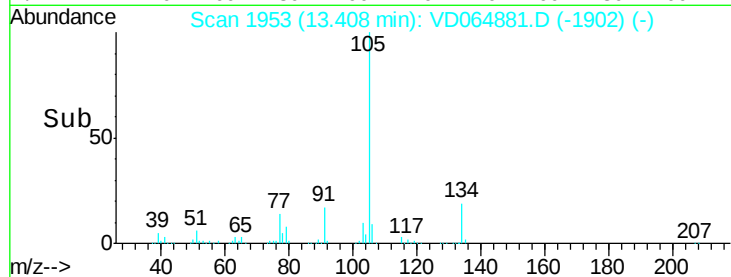
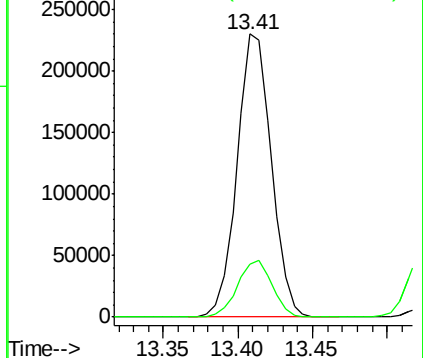
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.918 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

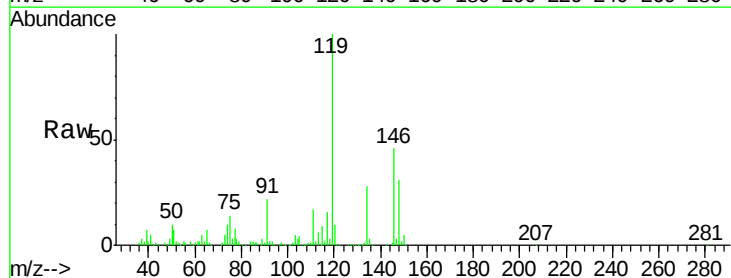
Tgt Ion:119 Resp: 341553

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

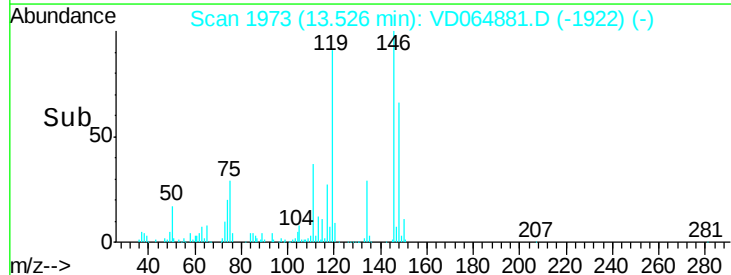
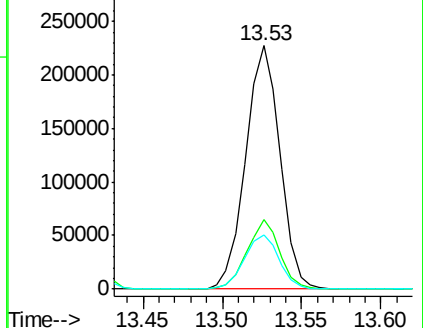
91 22.6 11.2 33.6

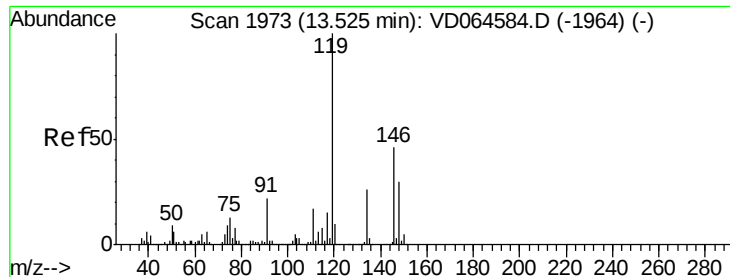


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





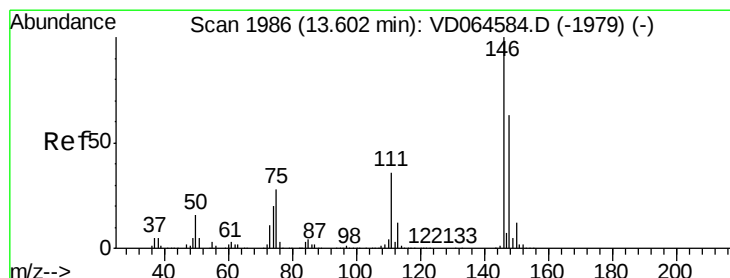
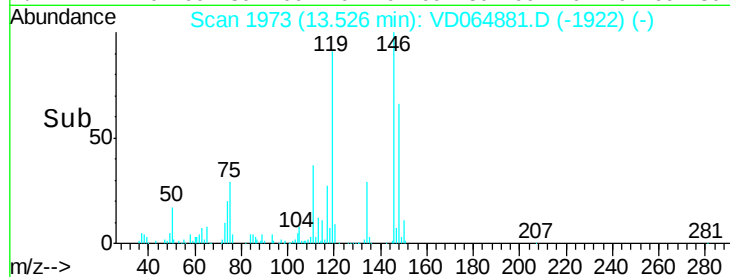
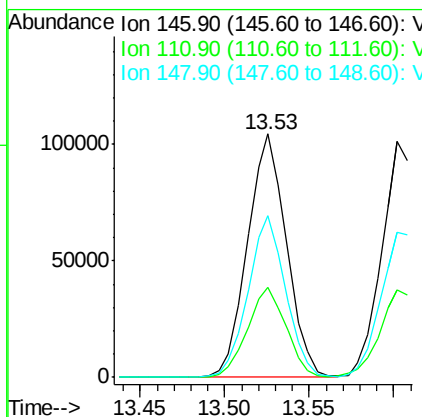
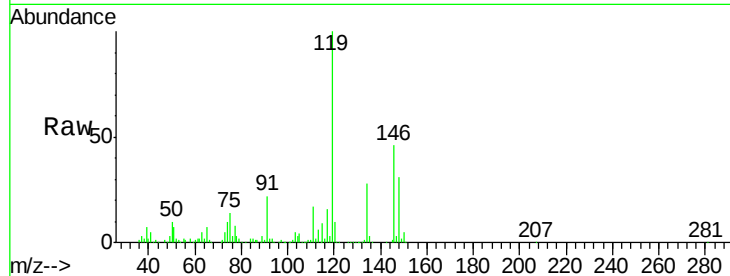
#87
 1,3-Dichlorobenzene
 Concen: 22.446 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167600		
111	36.8	18.8	56.4	
148	64.3	32.5	97.5	

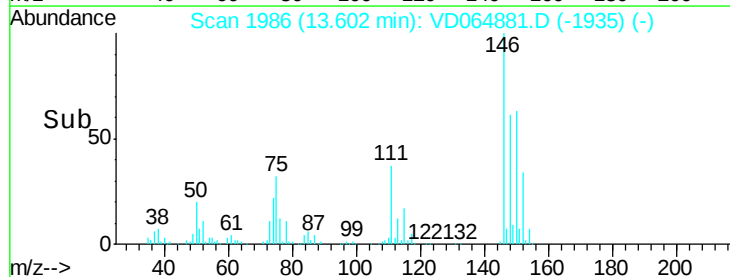
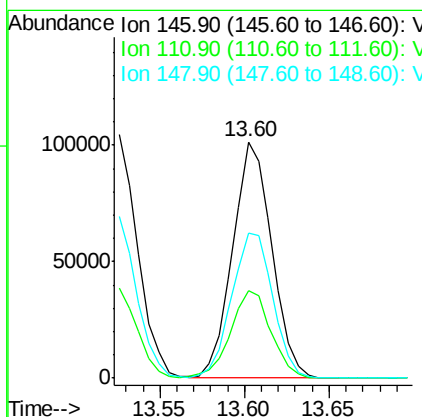
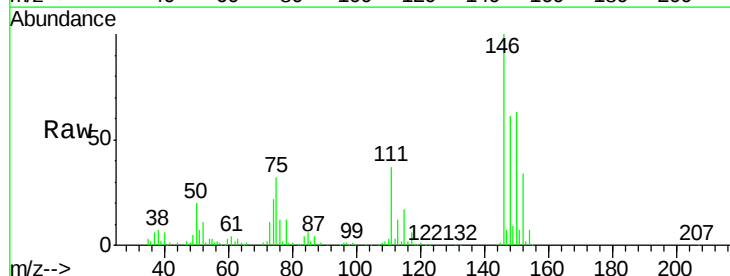
Manual Integrations
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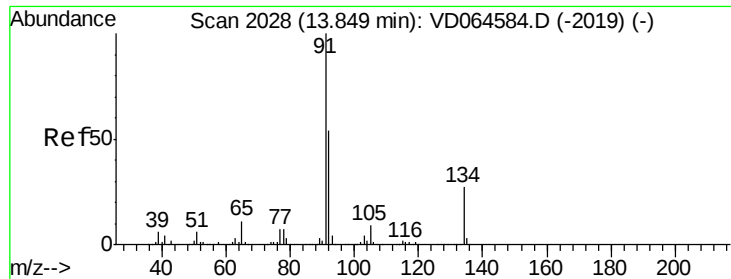
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#88
 1,4-Dichlorobenzene
 Concen: 22.356 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	163985		
111	38.1	18.1	54.1	
148	64.5	32.3	96.9	





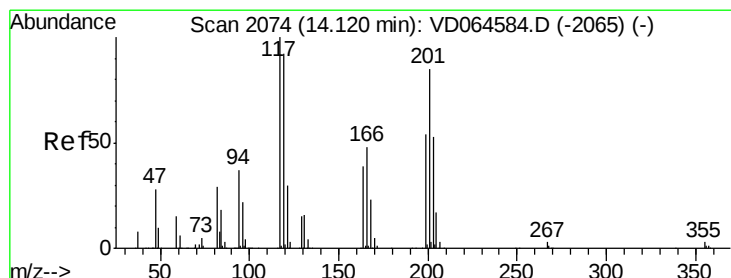
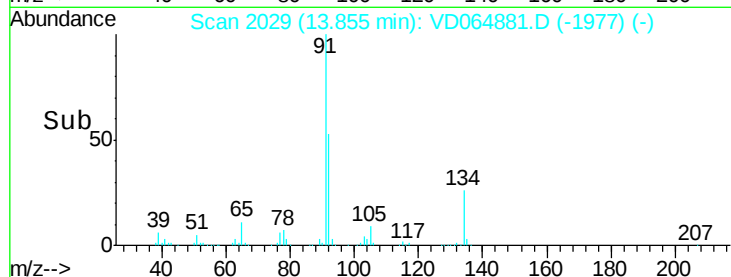
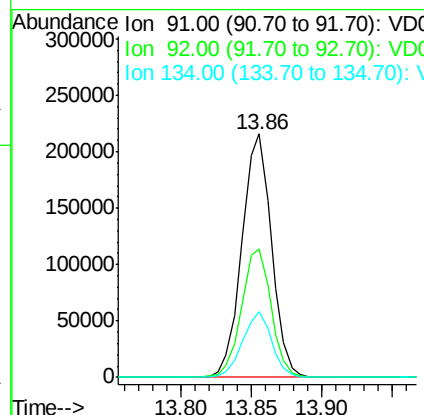
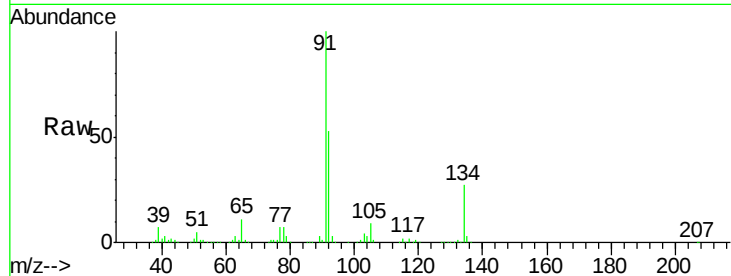
#89
n-Butylbenzene
Concen: 23.591 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	316624		
92	52.6		26.8	80.4
134	26.5		14.0	41.9

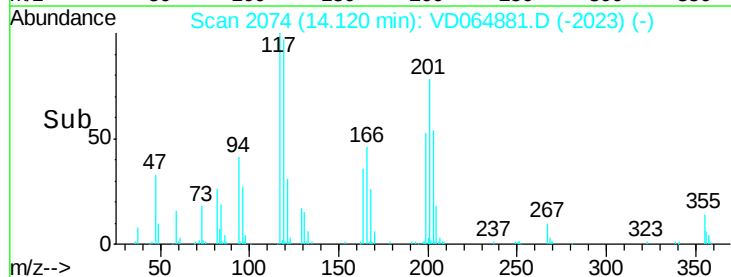
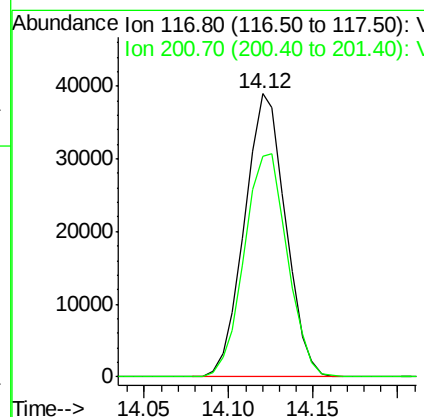
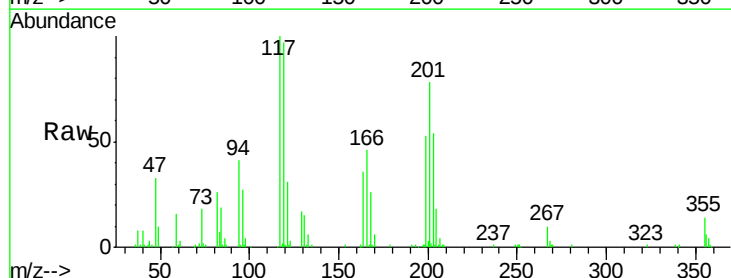
Manual Integrations
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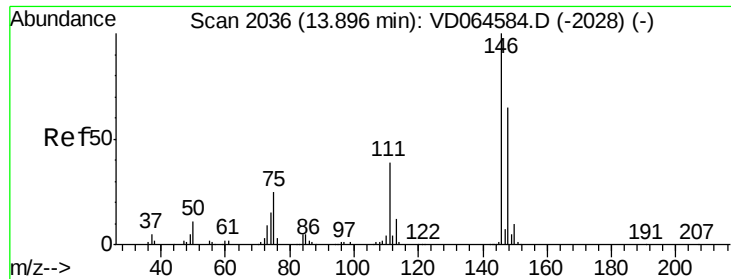
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#90
Hexachloroethane
Concen: 23.198 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	66042		
201	82.6		44.0	131.8





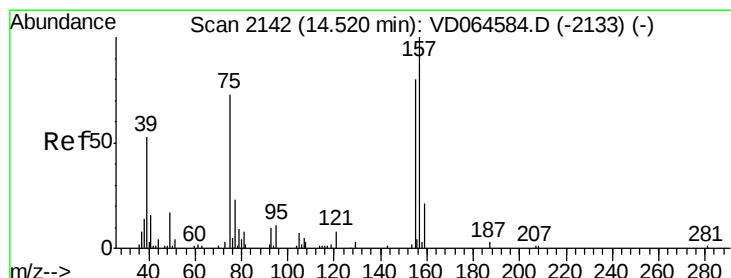
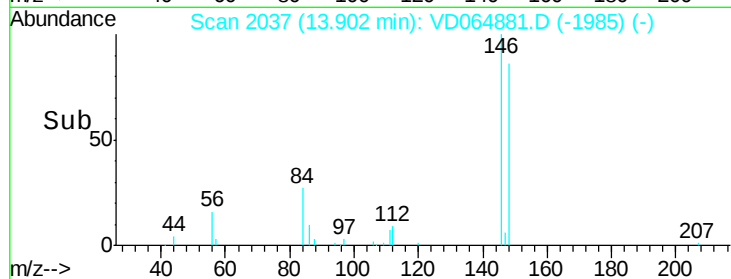
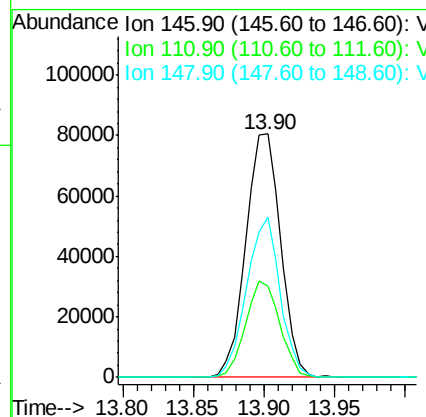
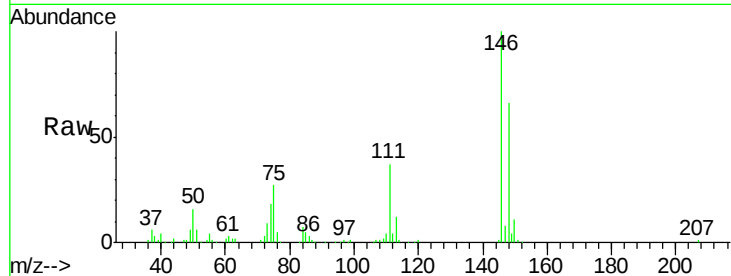
#91
 1,2-Dichlorobenzene
 Concen: 21.937 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	63.3	31.9	95.5

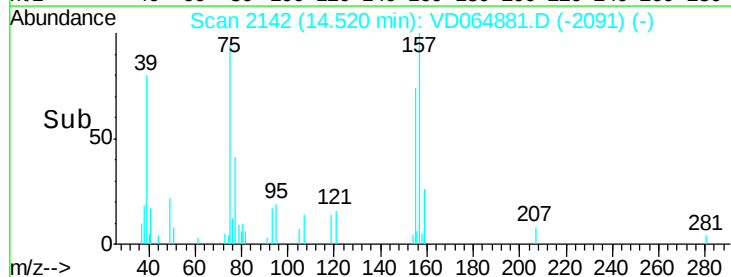
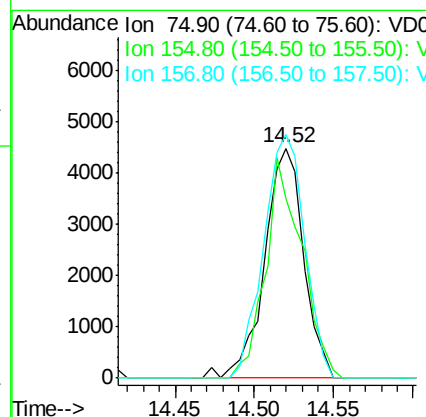
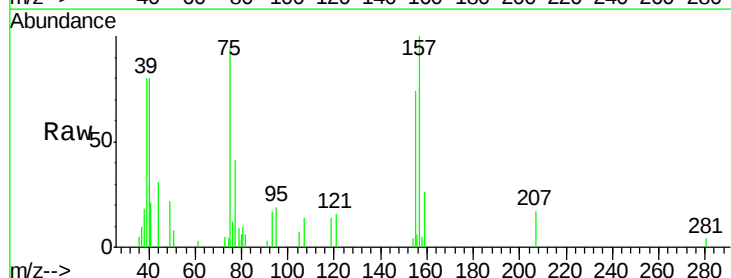
Manual Integrations
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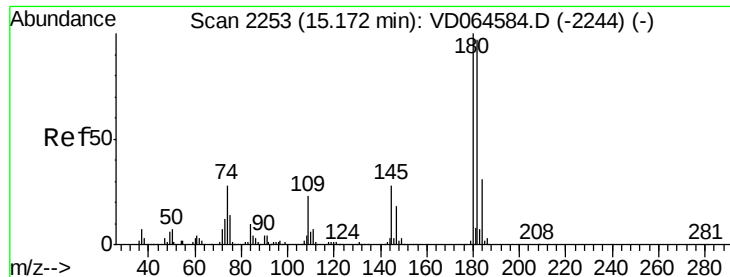
MMDadoda
 1/21/2020 9:23:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.954 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	48.0	144.0
157	111.1	64.1	192.3





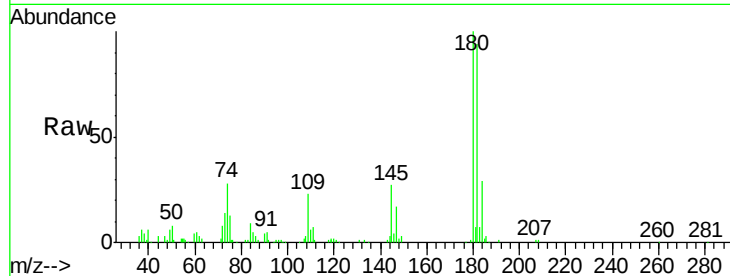
#93
 1,2,4-Trichlorobenzene
 Concen: 20.729 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

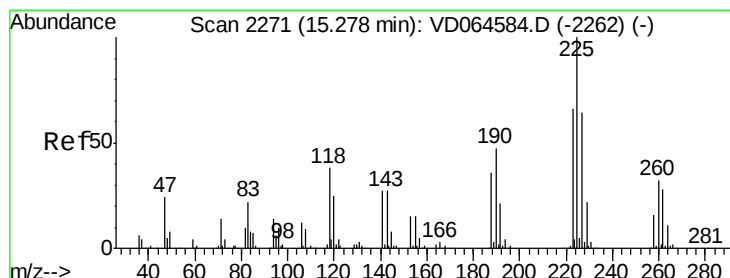
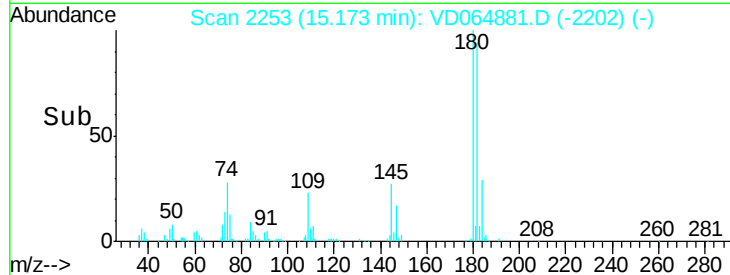
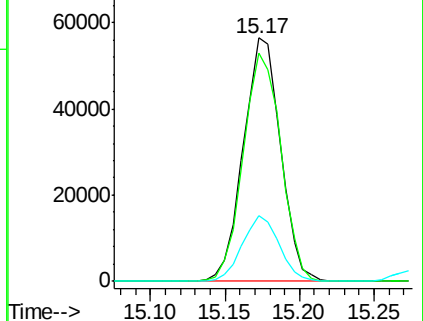
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	26.7	13.8	41.4

Manual Integrations
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MMDadoda
 1/21/2020 9:23:21 AM

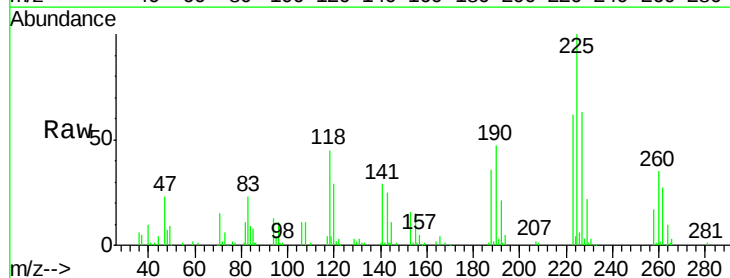


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

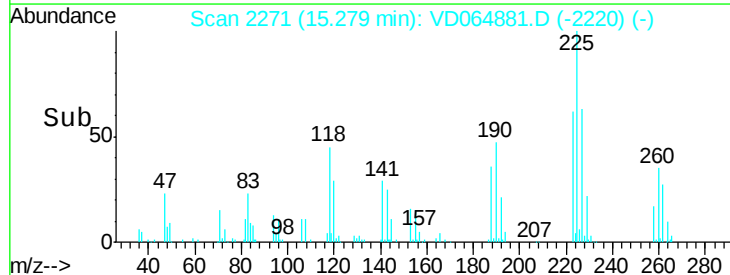
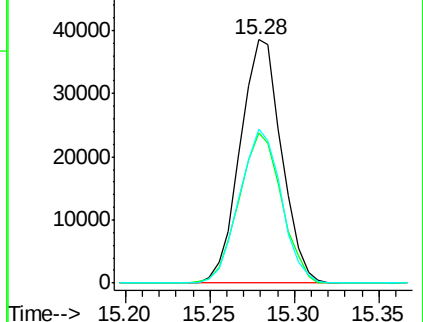


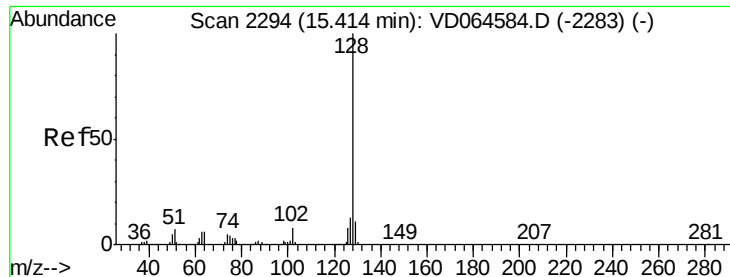
#94
 Hexachlorobutadiene
 Concen: 22.257 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.2
227	63.9	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





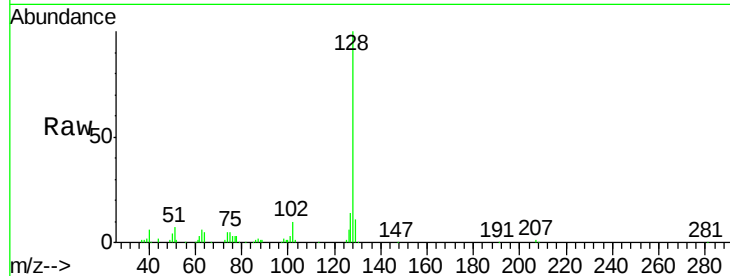
#95
Naphthalene
Concen: 17.430 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	129272		
127	13.6		10.3	15.5
129	10.5		8.5	12.7

Manual Integrations
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1/21/2020 9:23:21 AM

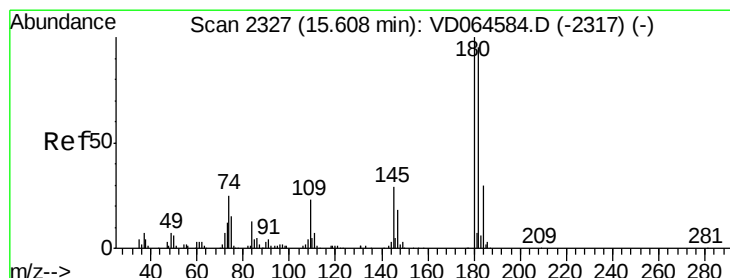
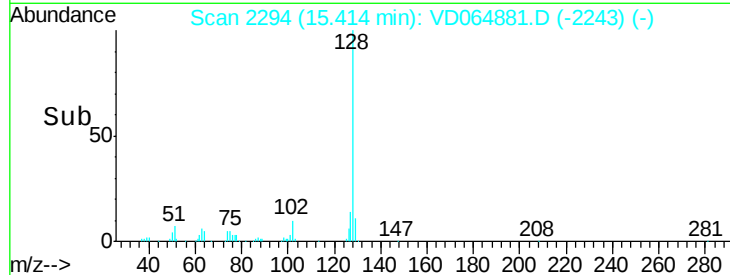
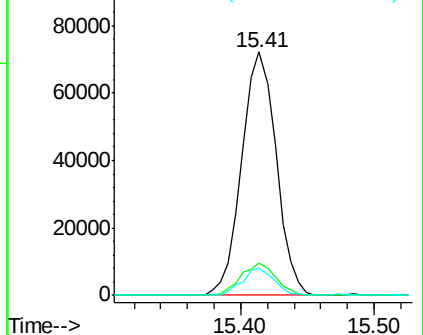


Abundance

Ion 128.00 (127.70 to 128.70): V

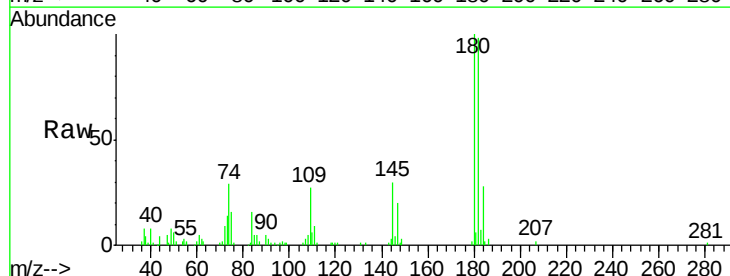
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.185 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80783		
182	93.3		47.9	143.7
145	30.6		14.9	44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

